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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 4	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 5	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7	AUG 27	USPATOLD now available on STN
NEWS 8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10	SEP 13	FORIS renamed to SOFIS
NEWS 11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 12	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 13	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16	OCT 19	BEILSTEIN updated with new compounds
NEWS 17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 18	NOV 19	WPIX enhanced with XML display format
NEWS 19	NOV 30	ICSD reloaded with enhancements
NEWS 20	DEC 04	LINPADOCDB now available on STN
NEWS 21	DEC 14	BEILSTEIN pricing structure to change
NEWS 22	DEC 17	USPATOLD added to additional database clusters
NEWS 23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 24	DEC 17	DGENE now includes more than 10 million sequences
NEWS 25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29	JAN 02	STN pricing information for 2008 now available
NEWS 30	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 31	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 32	JAN 28	MARPAT searching enhanced
NEWS 33	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 34	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 35	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 09:34:21 ON 31 JAN 2008

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 09:35:40 ON 31 JAN 2008
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 JAN 2008 HIGHEST RN 1001156-45-1
DICTIONARY FILE UPDATES: 30 JAN 2008 HIGHEST RN 1001156-45-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

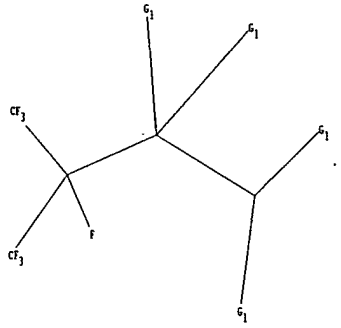
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

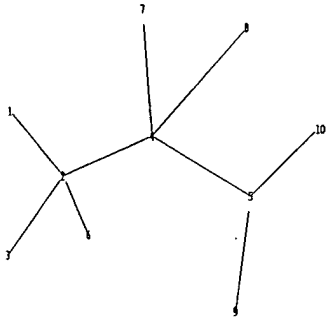
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\LC-15.str





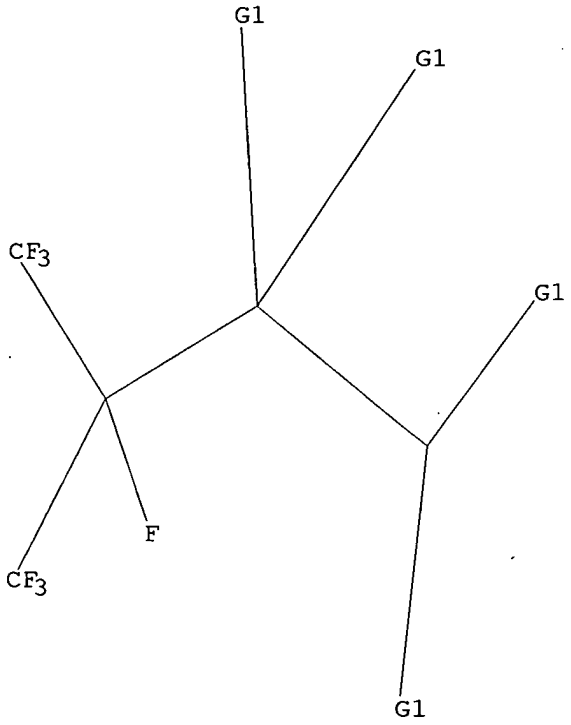
chain nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
1-2 2-3 2-4 2-6 4-5 4-7 4-8 5-9 5-10
exact/norm bonds :
4-7 4-8 5-9 5-10
exact bonds :
1-2 2-3 2-4 2-6 4-5

G1:H,Cl,Br,F,I,CF3

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



G1 H,Cl,Br,F,I,CF3

Structure attributes must be viewed using STN Express query preparation.

=> S L1 FULL
FULL SEARCH INITIATED 09:36:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 5257 TO ITERATE

100.0% PROCESSED 5257 ITERATIONS 2329 ANSWERS
SEARCH TIME: 00.00.01

L2 2329 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.82	179.24

FILE 'CAPLUS' ENTERED AT 09:36:49 ON 31 JAN 2008

FILE COVERS 1907 - 31 Jan 2008 VOL 148 ISS 5
FILE LAST UPDATED: 30 Jan 2008 (20080130/ED)

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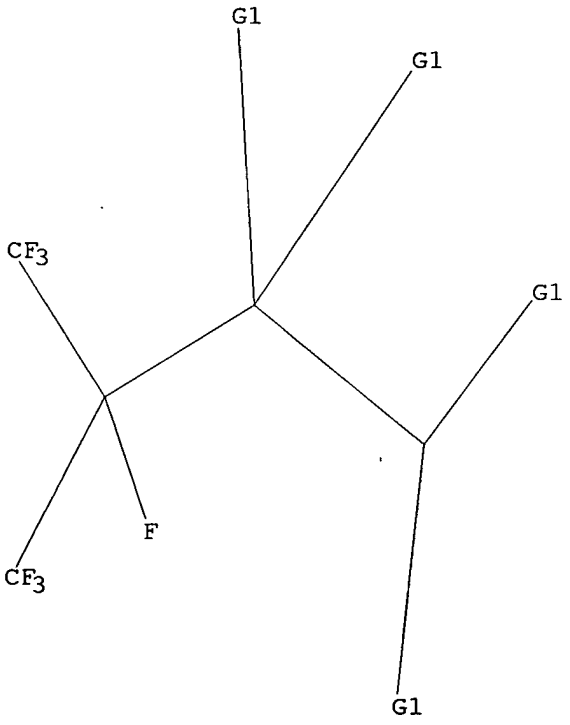
L1 HAS NO ANSWERS
L1 STR



G1 H,Cl,Br,F,I,CF3

Structure attributes must be viewed using STN Express query preparation.

=> S L2
L3 1200 L2

=> S L3 AND COMPOSITION
714582 COMPOSITION
L4 46 L3 AND COMPOSITION

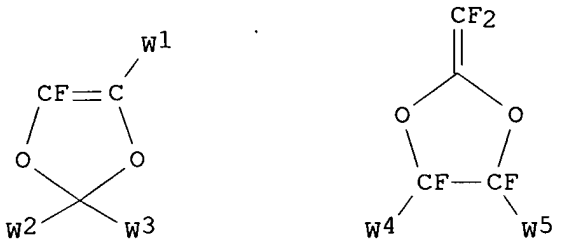
=> D L4 IBIB ABS HITSTR 1-46

L4 ANSWER 1 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:64395 CAPLUS
TITLE: Immersion exposure resist composition and pattern formation
INVENTOR(S): Shirota, Naoko; Takebe, Yoko; Kaneko, Isamu; Yokokoji,

Osamu
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 28pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2008008974	A	20080117	JP 2006-176879	20060627
PRIORITY APPLN. INFO.:			JP 2006-176879	20060627

GI



I II

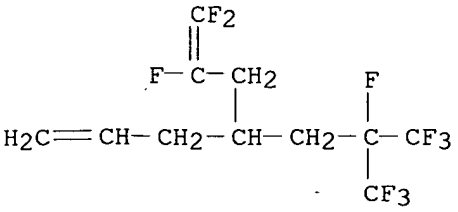
AB The composition contains (A) a polymer whose solubility to alkaline solution increases by the action of an acid, and (B) a polymer containing ≥10 mol% of repeating units selected from CF2:CFQCX1:CX2X3, I and II (Q= methylene, dimethylene, trimethylene, tetramethylene, oxymethylene, etc; these may be substituted with F, alkyl, fluoroalkyl, alkoxy, etc; X1 = H, F, C1-12 alkyl or fluoroalkyl; X2-3 = H, F; W1 = F, C1-3 perfluoroalkoxy; W2-5 = F, C1-6 perfluoroalkyl). The resist pattern is formed by the steps of (1) applying the composition on a substrate, (2) immersion exposing and developing the composition The composition shows high transparency to shorter wavelength light, water repellency, and etching resistance.

IT 959856-35-0P 1001015-29-7P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(immersion exposure resist composition containing fluoropolymer and alkaline-solubility increasing polymer)

RN 959856-35-0 CAPLUS
CN 1,6-Heptadiene, 1,1,2-trifluoro-4-[2,3,3,3-tetrafluoro-2-(trifluoromethyl)propyl]-, homopolymer (CA INDEX NAME)

CM 1

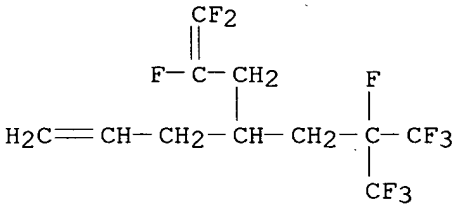
CRN 959856-30-5
CMF C11 H10 F10



RN 1001015-29-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

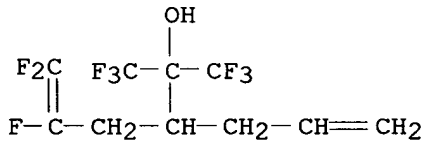
CM 1

CRN 959856-30-5
CMF C11 H10 F10

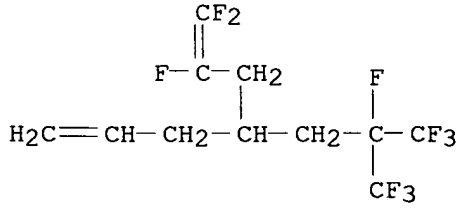


CM 2

CRN 795298-34-9
CMF C10 H9 F9 O

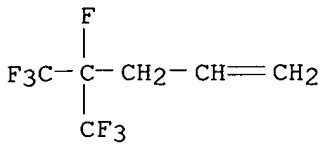


IT 959856-30-5P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and polymerization of)
RN 959856-30-5 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

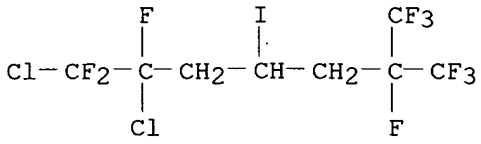


IT 38392-10-8P 959856-26-9P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation of fluoro monomer)

RN 38392-10-8 CAPLUS
CN 1-Pentene, 4,5,5,5-tetrafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



RN 959856-26-9 CAPLUS
CN Heptane, 1,2-dichloro-1,1,2,6,7,7,7-heptafluoro-4-iodo-6-(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 2 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:755663 CAPLUS
DOCUMENT NUMBER: 147:144125
TITLE: Preparation of grafted fluorine-containing organopolysiloxane and polymer composition
INVENTOR(S): Hayashi, Masayuki; Hupfield, Peter Cheshire; Okawa, Tadashi; Iimura, Tomohiro
PATENT ASSIGNEE(S): Dow Corning Toray Co., Ltd., Japan; Dow Corning Corporation
SOURCE: PCT Int. Appl., 35pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007077981	A1	20070712	WO 2006-JP326418	20061228
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2007177079	A	20070712	JP 2005-377297	20051228
PRIORITY APPLN. INFO.:			JP 2005-377297	A 20051228

AB A 1 fluorine-containing organopolysiloxane is prepared by hydrosilylation of a polysiloxane with a polystyrene-type composition and/or an organic composition containing fluorine and unsatd. aliphatic bonds in the presence of a hydrosilylation catalyst, and a polymer composition containing the above polysiloxane is also provided. Thus, dimethylsilanediol-methylsilanediol copolymer was reacted

with vinyl-terminated polystyrene and fluorinated alkene CH2=CHCH2CF(CF3)2 in the presence of chloroplatinic acid to obtain a fluorine-containing polysiloxane.

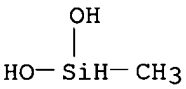
IT 943630-53-3P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(comprised of actual and assumed monomers; preparation of grafted fluorine-containing organopolysiloxane and polymer composition)

RN 943630-53-3 CAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with ethenylbenzene, 1-methylsilanediol and 4,5,5,5-tetrafluoro-4-(trifluoromethyl)-1-pentene, graft (CA INDEX NAME)

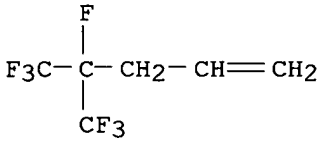
CM 1

CRN 43641-90-3
CMF C H6 O2 Si



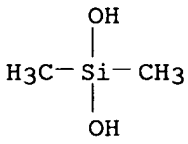
CM 2

CRN 38392-10-8
CMF C6 H5 F7



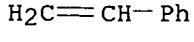
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 100-42-5
CMF C8 H8



IT 943630-54-4P

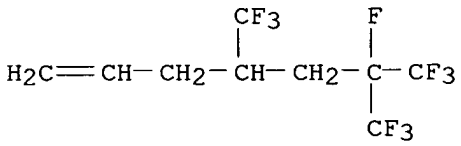
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of grafted fluorine-containing organopolysiloxane and polymer composition)

RN 943630-54-4 CAPLUS

CN Silanediol, 1,1-dimethyl-, polymer with ethenylbenzene, 1-methylsilanediol and 6,7,7,7-tetrafluoro-4,6-bis(trifluoromethyl)-1-heptene, graft (CA INDEX NAME)

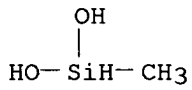
CM 1

CRN 862497-92-5
CMF C9 H8 F10



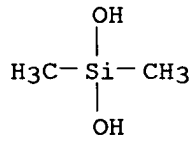
CM 2

CRN 43641-90-3
CMF C H6 O2 Si



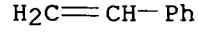
CM 3

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 4

CRN 100-42-5
CMF C8 H8



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:755454 CAPLUS

DOCUMENT NUMBER: 147:144121
TITLE: Preparation of block fluorine-containing organopolysiloxane and polymer composition
INVENTOR(S): Hayashi, Masayuki; Hupfield, Peter Cheshire; Okawa, Tadashi; Iimura, Tomohiro
PATENT ASSIGNEE(S): Dow Corning Toray Co., Ltd., Japan; Dow Corning Corporation
SOURCE: PCT Int. Appl., 25pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007077982	A2	20070712	WO 2006-JP326419	20061228
WO 2007077982	A3	20071115		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

JP 2007177080	A	20070712	JP 2005-377298	20051228

PRIORITY APPLN. INFO.: JP 2005-377298 A 20051228

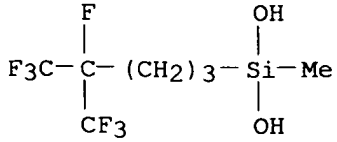
AB A 1 fluorine-containing organopolysiloxane is prepared by hydrosilylation of a polysiloxane with a polystyrene-type composition in the presence of a hydrosilylation catalyst, and a polymer composition containing the above polysiloxane is also provided. Thus, dimethylsilanediol-nonfluorohexylmethylsilanediol copolymer was reacted with vinyl-terminated polystyrene in the presence of chloroplatinic acid to obtain a mix. of triblock and diblock fluorine-containing polysiloxanes.

IT 943630-51-1P 943761-12-4P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(comprised of actual and assumed monomers; preparation of block fluorine-containing organopolysiloxane and polymer composition)

RN 943630-51-1 CAPLUS
CN Silanediol, 1,1-dimethyl-, polymer with ethenylbenzene and 1-methyl-1-[4,5,5,5-tetrafluoro-4-(trifluoromethyl)pentyl]silanediol, triblock (CA INDEX NAME)

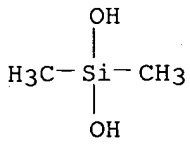
CM 1

CRN 943630-50-0
CMF C7 H11 F7 O2 Si



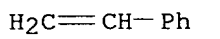
CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 3

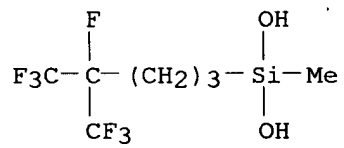
CRN 100-42-5
CMF C8 H8



RN 943761-12-4 CAPLUS
CN Silanediol, 1,1-dimethyl-, polymer with ethenylbenzene and 1-methyl-1-[4,5,5,5-tetrafluoro-4-(trifluoromethyl)pentyl]silanediol, diblock (CA INDEX NAME)

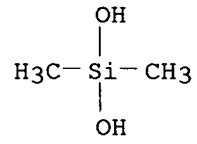
CM 1

CRN 943630-50-0
CMF C7 H11 F7 O2 Si



CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 3

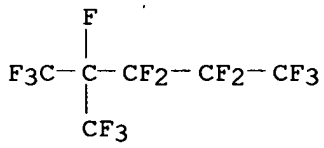
CRN 100-42-5
CMF C8 H8

$H_2C{=}CH{-}Ph$

L4 ANSWER 4 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:354609 CAPLUS
DOCUMENT NUMBER: 146:382638
TITLE: fluorine-containing ether compound composition
INVENTOR(S): Takagi, Yoichi; Yanase, Nobukazu; Okamoto, Shuichi; Fukushima, Masato
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007077361	A	20070329	JP 2005-270494	20050916

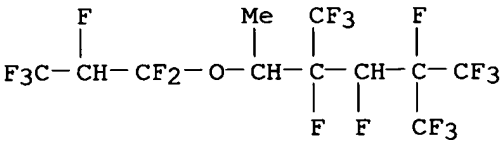
PRIORITY APPLN. INFO.: JP 2005-270494 20050916
OTHER SOURCE(S): MARPAT 146:382638
AB The composition contains a compound having a general formula of RF1OCFRF2CFRF2ORF1; where RF1 is C4-7 linear perfluoro alkyl and RF2 is F or CF3; and an additive of CF3(CF2)5H and CF3CF2CF2CF(CF3)2; and has a viscosity of ≤ 1000 cP at -70°. The product has low viscosity at low temps. and is suitable as coolants.
IT 355-04-4, 1,1,1,2,2,3,3,4,5,5,5-Undecafluoro-4-(trifluoromethyl)pentane
RL: MOA (Modifier or additive use); USES (Uses)
(fluorine-containing ether compound composition)
RN 355-04-4 CAPLUS
CN Pentane, 1,1,1,2,2,3,3,4,5,5,5-undecafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



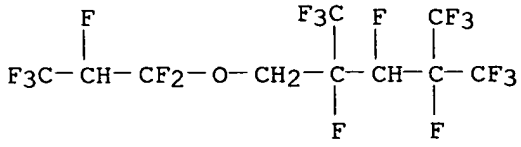
L4 ANSWER 5 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:257366 CAPLUS
DOCUMENT NUMBER: 146:320164
TITLE: Electrolyte composition
INVENTOR(S): Costello, Michael G.; Flynn, Richard M.; Segawa, Haruki
PATENT ASSIGNEE(S): 3M Innovative Properties Co., USA
SOURCE: U.S. Pat. Appl. Publ., 24pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2007054186	A1	20070308	US 2006-381862	20060505

WO 2007030297 A2 20070315 WO 2006-US32439 20060821
WO 2007030297 A3 20070510
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRIORITY APPLN. INFO.: US 2005-715291P P 20050908
US 2006-381862 A 20060505
OTHER SOURCE(S): MARPAT 146:320164
AB An electrolyte composition includes (a) a solvent composition including at least one hydrofluoroether compound, the hydrofluoroether compound including two terminal fluoroalkyl groups and an intervening substituted or unsubstituted oxymethylene group, each of the fluoroalkyl groups including only one hydrogen atom and, optionally, at least one catenated (i.e., in-chain) heteroatom, with the proviso that, when the oxymethylene group is unsubstituted, at least one of the terminal fluoroalkyl groups is branched and/or includes at least one catenated heteroatom; and (b) at least one electrolyte salt.
IT 928617-13-4P
RL: PRP (Properties); PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(battery electrolyte composition with high stability containing salts and hydrofluoro ethers and glycol ethers)
RN 928617-13-4 CAPLUS
CN Hexane, 1,1,1,2,3,4-hexafluoro-5-(1,1,2,3,3,3-hexafluoropropoxy)-2,4-bis(trifluoromethyl)- (CA INDEX NAME)



IT 928617-22-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(battery electrolyte composition with high stability containing salts and hydrofluoro ethers and glycol ethers)
RN 928617-22-5 CAPLUS
CN Pentane, 1,1,1,2,3,4,5,5,5-nonafluoro-2-[(1,1,2,3,3,3-hexafluoropropoxy)methyl]-4-(trifluoromethyl)- (CA INDEX NAME)

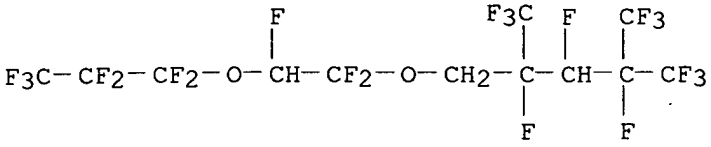


IT 928617-46-3 928617-55-4 928617-65-6
RL: TEM (Technical or engineered material use); USES (Uses)
(battery electrolyte composition with high stability containing salts and

hydrofluoro ethers and glycol ethers)

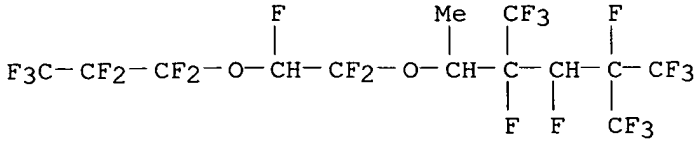
RN 928617-46-3 CAPLUS

CN Pentane, 1,1,1,2,3,4,5,5,5-nonafluoro-2-[[1,1,2-trifluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)ethoxy]methyl]-4-(trifluoromethyl)- (CA INDEX NAME)



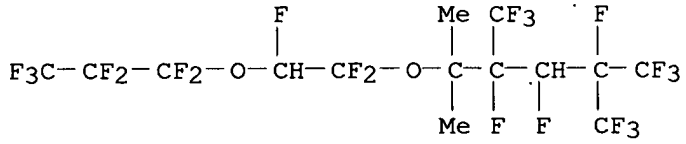
RN 928617-55-4 CAPLUS

CN Hexane, 1,1,1,2,3,4-hexafluoro-5-[1,1,2-trifluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)ethoxy]-2,4-bis(trifluoromethyl)- (CA INDEX NAME)



RN 928617-65-6 CAPLUS

CN Hexane, 1,1,1,2,3,4-hexafluoro-5-methyl-5-[1,1,2-trifluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)ethoxy]-2,4-bis(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 6 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:239094 CAPLUS

DOCUMENT NUMBER: 146:268013

TITLE: Differences in the isomer composition of perfluoroctanesulfonyl (PFOS) derivatives

AUTHOR(S): Vyas, Sandhya M.; Kania-Korwel, Izabela; Lehmler, Hans-Joachim

CORPORATE SOURCE: Department of Occupational and Environmental Health, College of Public Health, University of Iowa, Iowa City, IA, 52242, USA

SOURCE: Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances & Environmental Engineering (2007), 42(3), 249-255
CODEN: JATEF9; ISSN: 1093-4529

PUBLISHER: Taylor & Francis, Inc.

DOCUMENT TYPE: Journal

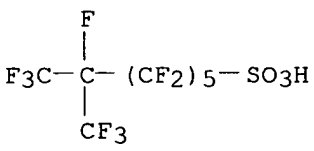
LANGUAGE: English

AB Perfluorooctanesulfonyl (PFOS)-based materials and related compds. are an emerging group of environmental pollutants. Perfluorooctanesulfonyl fluoride, the key intermediate for the production of these materials, was manufactured by an electrochem. fluorination process that resulted in complex mixts. containing linear and branched PFOS derivs. and other perfluorinated compds. This study uses 19F-NMR spectroscopy to investigate differences in the composition between com. samples of PFOS and PFBS

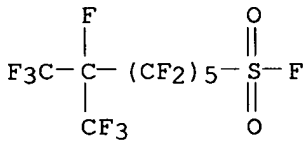
(perfluorobutanesulfonyl) derivs. While PFBS derivs., which are under evaluation as substitutes for PFOS-based materials, contained no detectable levels of branched impurities, all PFOS derivs. contained significant levels of branched and other impurities. Anal. of the NMR data reveals that PFOS fluorides typically have a higher content of internally branched and similar levels of iso-Pr branched PFOS isomers compared to PFOS potassium salts. Furthermore, the isomer distribution of PFOS derivs. may vary depending on their source. These findings suggest that it is important to determine the isomer composition of PFOS samples used in both environmental and toxicol. studies.

IT 255831-20-0 927670-06-2 927670-07-3
RL: ANT (Analyte); ANST (Analytical study)
(differences in isomer composition of perfluoroctanesulfonyl derivs.)

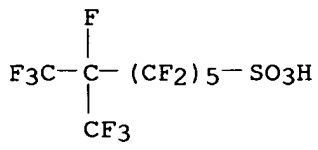
RN 255831-20-0 CAPLUS
CN 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)- (CA INDEX NAME)



RN 927670-06-2 CAPLUS
CN 1-Heptanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)- (CA INDEX NAME)



RN 927670-07-3 CAPLUS
CN 1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,7,7,7-tetradecafluoro-6-(trifluoromethyl)-, potassium salt (1:1) (CA INDEX NAME)



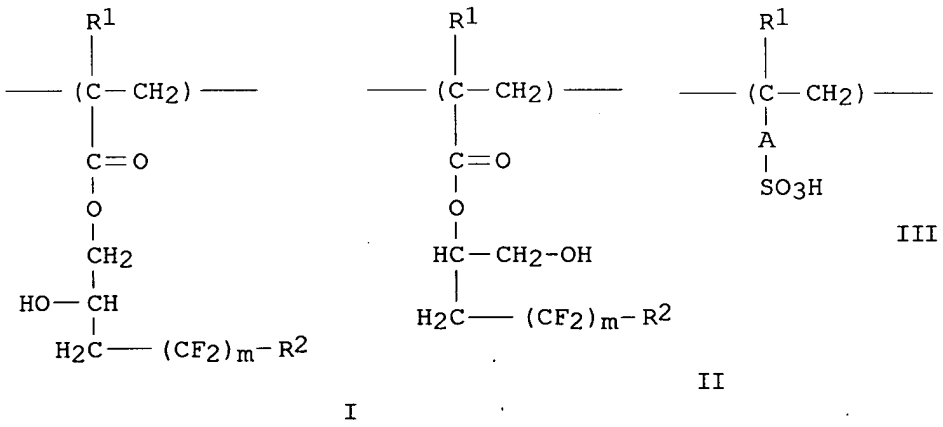
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:972121 CAPLUS
DOCUMENT NUMBER: 145:366478
TITLE: Composition for forming antireflection film, laminate, for resist pattern
INVENTOR(S): Yoshimura, Nakaatsu; Konno, Keiji; Natsume, Norihiro

PATENT ASSIGNEE(S): JSR Corporation, Japan
SOURCE: Eur. Pat. Appl., 29pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1703327	A2	20060920	EP 2006-111200	20060315
EP 1703327	A3	20061227		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
JP 2006259382	A	20060928	JP 2005-78127	20050317
KR 2006101308	A	20060922	KR 2006-24222	20060316
US 2006223008	A1	20061005	US 2006-376146	20060316

PRIORITY APPLN. INFO.: JP 2005-78127 A 20050317
GI



I II III

AB An antireflection film-forming composition having excellent coatability, capable of significantly inhibiting production of fine microbubbles and capable of forming an antireflection film with a sufficiently decreased standing-wave effect, and having excellent solubility in water and alkaline developers is provided. The composition comprises a polymer having at least one polymerization unit with a hydroxyl group-containing organic group on the side chain, preferably a copolymer having at least one recurring unit of I and/or at least one recurring unit of II and at least one recurring unit of III (R1 and R2 = a hydrogen atom, a fluorine atom, or a monovalent organic group; m is an integer of 1-20; and A represents a divalent coupling means), and/or a salt thereof.

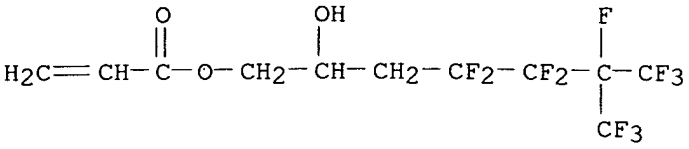
IT 910115-04-7P 910115-05-8P 910115-06-9P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(composition for forming antireflection film, laminate, for resist pattern)

RN 910115-04-7 CAPLUS

CN 2-Propenoic acid, 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl ester, polymer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid (9CI) (CA INDEX NAME)

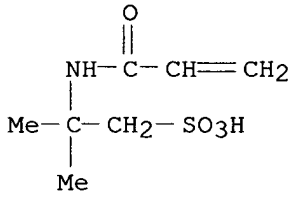
CM 1

CRN 16083-76-4
CMF C11 H9 F11 O3



CM 2

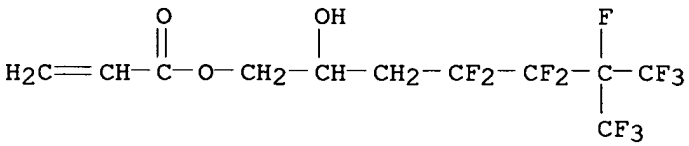
CRN 15214-89-8
CMF C7 H13 N O4 S



RN 910115-05-8 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl ester, polymer with 2-propene-1-sulfonic acid (9CI) (CA INDEX NAME)

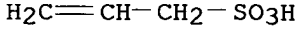
CM 1

CRN 16083-76-4
CMF C11 H9 F11 O3



CM 2

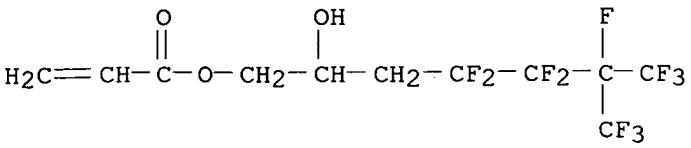
CRN 1606-80-0
CMF C3 H6 O3 S



RN 910115-06-9 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl ester, polymer with ethenesulfonic acid (9CI) (CA INDEX NAME)

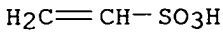
CM 1

CRN 16083-76-4
CMF C11 H9 F11 O3



CM 2

CRN 1184-84-5
CMF C2 H4 O3 S



L4 ANSWER 8 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:792961 CAPLUS
DOCUMENT NUMBER: 145:231510
TITLE: Curable composition and optical member obtained by curing same
INVENTOR(S): Tanaka, Yoshito; Komatsu, Yuzo; Ando, Yoshito
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 191pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006082845	A1	20060810	WO 2006-JP301652	20060201

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: JP 2005-29490 A 20050204
JP 2005-148260 A 20050520

AB Disclosed is a curable composition containing a multifunctional F-containing compound of R[AO(C:O)CX:CH2]n (X = H, CH3, F, Cl, CF3; n = 2-7; A = direct bond, C1-50 linking groups; R = C1-50 organic groups having valency of n) (I), and a curing initiator. The compound I is also characterized in that (1) the F content thereof is not less than 40%, (2) the viscosity at 35° is not more than 100,000 mPa·s, and (3) a cured product thereof has a glass transition temperature of not less than 70°. This curable composition enables to obtain an optical member such as an optical waveguide with high

F content which has high heat resistance and high transparency without using a solvent. In an example a compound I was prepared from 1,3-bis(1,1,1,3,3,3-hexafluoro-2-hydroxypropyl)benzene and 3-perfluorohexyl-1,2-epoxypropane using benzyltrimethylammonium chloride as catalyst and by conversion of the resulting ring-opening compound to a diacrylate ester using α-fluoroacryloyl chloride.

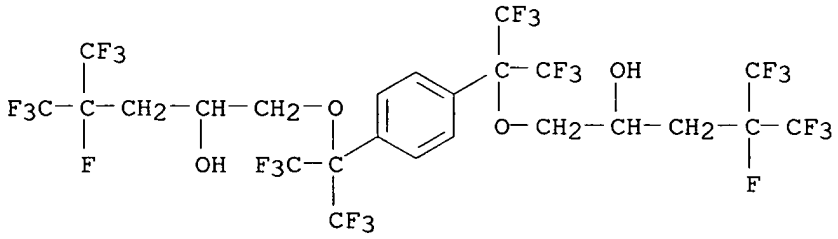
IT 905729-38-6P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; manufacture of curable polyacrylated compds. and compns. for optical members)

RN 905729-38-6 CAPLUS

CN 2-Pentanol, 1,1'-[1,4-phenylenebis[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]oxy]]bis[4,5,5,5-tetrafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



IT 905729-46-6P 905729-53-5P

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(manufacture of curable polyacrylated compds. and compns. for optical members)

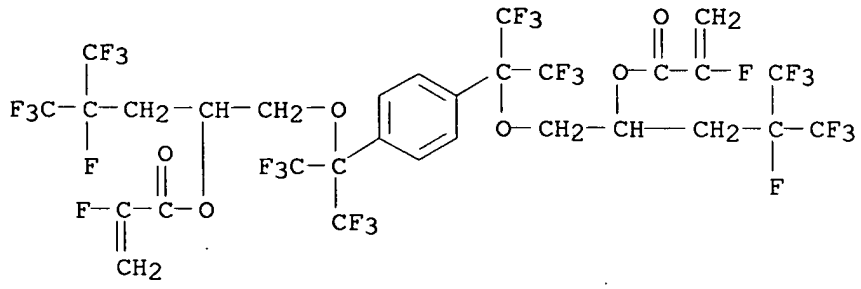
RN 905729-46-6 CAPLUS

CN 2-Propenoic acid, 2-fluoro-, 1,4-phenylenebis[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]oxy[1-[2,3,3,3-tetrafluoro-2-(trifluoromethyl)propyl]-2,1-ethanediyl]] ester, polymer with 3,3,3-trifluoro-2-methyl-2-(trifluoromethyl)propyl 2-fluoro-2-propenoate and 2,2,2-trifluoro-1-(trifluoromethyl)ethyl 2-fluoro-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 905729-39-7

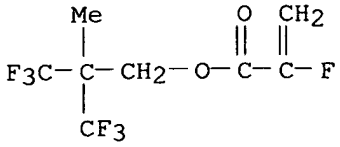
CMF C30 H18 F28 O6



CM 2

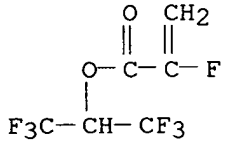
CRN 123450-11-3

CMF C8 H7 F7 O2



CM 3

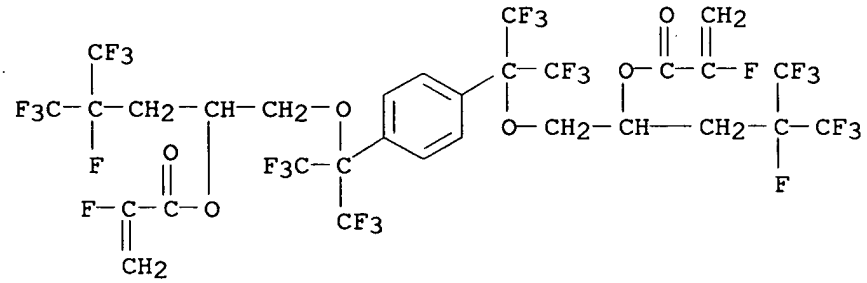
CRN 74359-06-1
CMF C6 H3 F7 O2



RN 905729-53-5 CAPLUS
CN 2-Propenoic acid, 2-fluoro-, 1,1'-[1,4-phenylenebis[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]oxy[1-[2,3,3,3-tetrafluoro-2-(trifluoromethyl)propyl]-2,1-ethanediyl]]] ester, polymer with 3,3,3-trifluoro-2-methyl-2-(trifluoromethyl)propyl 2-fluoro-2-propenoate (CA INDEX NAME)

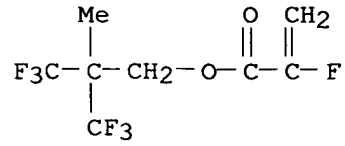
CM 1

CRN 905729-39-7
CMF C30 H18 F28 O6

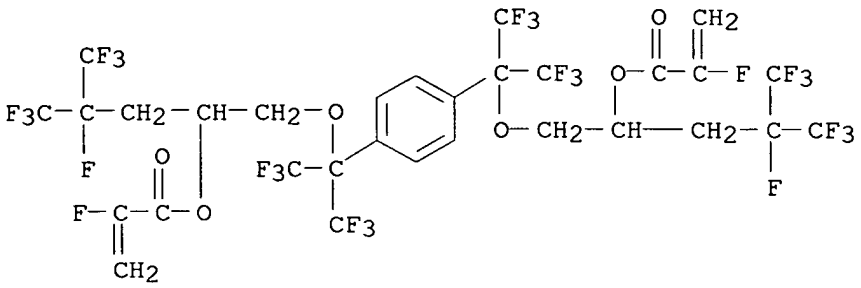


CM 2

CRN 123450-11-3
CMF C8 H7 F7 O2



IT 905729-39-7P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(monomer; manufacture of curable polyacrylated compds. and compns. for optical members)
RN 905729-39-7 CAPLUS
CN 2-Propenoic acid, 2-fluoro-, 1,4-phenylenebis[[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]oxy[1-[2,3,3,3-tetrafluoro-2-(trifluoromethyl)propyl]-2,1-ethanediyl]] ester (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

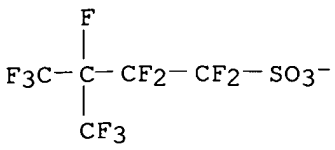
L4 ANSWER 9 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:705925 CAPLUS
DOCUMENT NUMBER: 145:146633
TITLE: Flame-resistant thermoplastic resin composition with good heat resistance and mechanical strength
INVENTOR(S): Jung, Han Su; Yang, Sam Ju
PATENT ASSIGNEE(S): Cheil Industries Inc., S. Korea
SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7
DOCUMENT TYPE: Patent
LANGUAGE: Korean
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2004035980	A	20040430	KR 2002-62363	20021014
PRIORITY APPLN. INFO.:			KR 2002-62363	20021014

AB Title thermoplastic composition comprises (A) a polycarbonate resin 100, (B) a perfluoroalkane sulfonate selected from a sodium salt or a potassium salt of perfluoromethanesulfonic acid, perfluoroethanesulfonic acid, perfluoropropanesulfonic acid, perfluorobutanesulfonic acid, perfluoromethylbutanesulfonic acid, perfluorohexanesulfonic acid, perfluoroheptanesulfonic acid, and perfluorooctanesulfonic acid, tetraethylammonium perfluorobutane sulfonate, and tetraethylammonium perfluoromethylbutanesulfonate 0.01-1.0, and (C) a glass fiber 5-15 parts.
IT 25628-24-4 898828-99-4D, salts
RL: MOA (Modifier or additive use); USES (Uses)
(flame retardant; flame-resistant thermoplastic resin composition with good heat resistance and mech. strength)
RN 25628-24-4 CAPLUS
CN Ethanaminium, N,N,N-triethyl-, salt with 1,1,2,2,3,4,4,4-octafluoro-3-(trifluoromethyl)-1-butanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

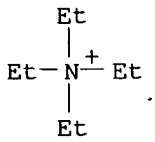
CM 1

CRN 45240-76-4
CMF C5 F11 O3 S

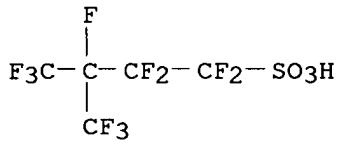


CM 2

CRN 66-40-0
CMF C8 H20 N



RN 898828-99-4 CAPLUS
CN 1-Butanesulfonic acid, 1,1,2,2,3,4,4,4-octafluoro-3-(trifluoromethyl)-
(CA INDEX NAME)



L4 ANSWER 10 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:558744 CAPLUS
DOCUMENT NUMBER: 145:37471
TITLE: Alignment film composition, its manufacture, and liquid crystal display element
INVENTOR(S): Nakano, Keiko; Yamada, Masahiro; Katsumura, Nobuhito; Inoue, Takashi
PATENT ASSIGNEE(S): Hitachi Displays Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

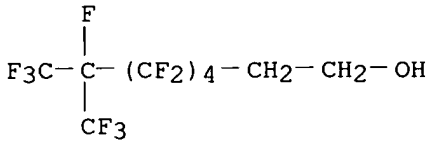
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006154158	A	20060615	JP 2004-343285	20041129
PRIORITY APPLN. INFO.:			JP 2004-343285	20041129
OTHER SOURCE(S):	MARPAT 145:37471			

AB The composition comprises polyamic acid containing ≥1 solvent selected from R1CO2R2 and R3R4OH (R1 = C3-8 fluoroalkyl; R2 = Me, Et; R3 = C5-8 fluoroalkyl; R4 = C2-3 alkylene) at 0.5-25.0 weight%. The liquid crystal display has the alignment film manufactured by using the above composition Alternatively, the alignment film is manufactured by using a polyamic acid

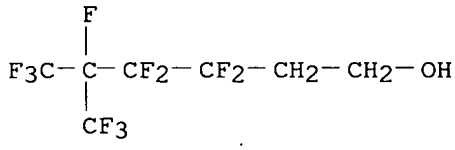
composition containing a solvent with surface tension (15-30) + 10-5 N·m at 0.5-25.0 weight%. The composition shows good printability and the alignment film with high smoothness is obtained.

IT 20015-46-7, 2-(Perfluoro-5-methylhexyl)ethanol 89076-11-9, 2-(Perfluoro-3-methylbutyl)ethanol
RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
(liquid crystal display with alignment film formed by coating polyamic acid composition containing low surface tension solvent)

RN 20015-46-7 CAPLUS
CN 1-Octanol, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)- (CA INDEX NAME)



RN 89076-11-9 CAPLUS
CN 1-Hexanol, 3,3,4,4,5,6,6,6-octafluoro-5-(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 11 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:73375 CAPLUS
DOCUMENT NUMBER: 144:160275
TITLE: Photosensitive composition and method of forming pattern using the same
INVENTOR(S): Kanda, Hiromi; Sato, Kenichiro
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 67 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

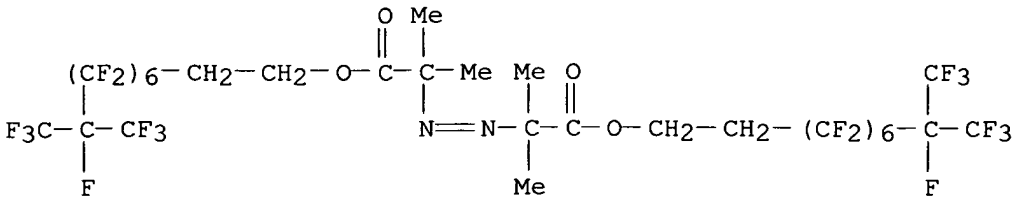
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006023692	A	20060126	JP 2004-235796	20040813
PRIORITY APPLN. INFO.:			JP 2004-171210 A	20040609

AB Disclosed is a photosensitive composition comprising (a) an alkali soluble resin having an aliphatic ring. and a lactone ring and having a terminal group R1R2R3C- (R1 = halo, halo-substituted hydrocarbon; and R2,3 = H, halo, hydrocarbon) and (b) a photoacid. The photosensitive composition exhibited excellent storage stability.

IT 873934-54-4D, reaction product with α-hydroxy-γ-butyrolactone methacrylate and 2-Methyl-2-adamantyl methacrylate
RL: CAT (Catalyst use); USES (Uses)
(Photosensitive composition containing alkali soluble resin)

RN 873934-54-4 CAPLUS

CN Propanoic acid, 2,2'-azobis[2-methyl-, bis[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl] ester (9CI) (CA INDEX NAME)



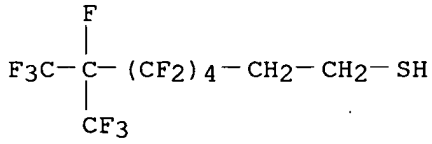
IT 873934-52-2P
RL: IMF (Industrial manufacture); NUU (Other use, unclassified); PRP (Properties); PREP (Preparation); USES (Uses)
(Photosensitive composition containing alkali soluble resin)

RN 873934-52-2 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-methyltricyclo[3.3.1.13,7]dec-2-yl ester, telomer with 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)-1-octanethiol and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 40136-45-6
CMF C9 H5 F15 S

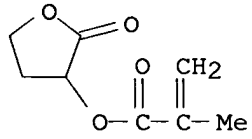


CM 2

CRN 195000-67-0
CMF (C15 H22 O2 . C8 H10 O4)x
CCI PMS

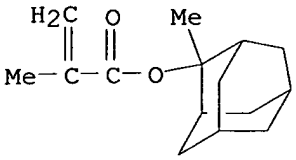
CM 3

CRN 195000-66-9
CMF C8 H10 O4



CM 4

CRN 177080-67-0
CMF C15 H22 O2



L4 ANSWER 12 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:20985 CAPLUS
DOCUMENT NUMBER: 138:98193
TITLE: Positive resist composition
INVENTOR(S): Mizutani, Kazuyoshi; Kanna, Shinichi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 93 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1273969	A2	20030108	EP 2002-14079	20020701
EP 1273969	A3	20031022		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2003015297	A	20030115	JP 2001-202240	20010703
JP 2003015299	A	20030115	JP 2001-202242	20010703
JP 2003015300	A	20030115	JP 2001-202243	20010703
TW 269117	B	20061221	TW 2002-91114501	20020701
US 2003134224	A1	20030717	US 2002-187291	20020702
US 6878502	B2	20050412		

PRIORITY APPLN. INFO.:
JP 2001-202240 A 20010703
JP 2001-202242 A 20010703
JP 2001-202243 A 20010703

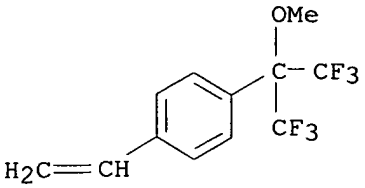
AB A pos. resist composition comprises (A) a resin which comprises a specified repeating units and (B) a compound capable of generating an acid upon irradiation with one of an actinic ray and a radiation. The present invention relates to a pos. resist composition capable of forming fine patterns with use of a vacuum UV ray having a wavelength ≤ 160 nm.

IT 483348-90-9P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(pos. resist composition for vacuum UV photolithog. containing)

RN 483348-90-9 CAPLUS
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester, polymer with 4-ethenyl-α,α-bis(trifluoromethyl)benzenemethanol and 1-ethenyl-4-[2,2,2-trifluoro-1-methoxy-1-(trifluoromethyl)ethyl]benzene (9CI) (CA INDEX NAME)

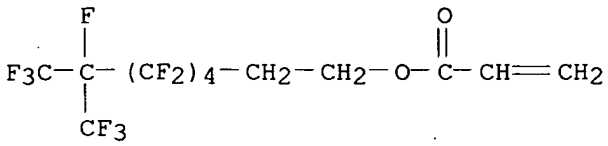
CM 1

CRN 483348-89-6
CMF C12 H10 F6 O



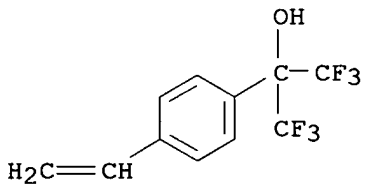
CM 2

CRN 50836-65-2
CMF C12 H7 F15 O2



CM 3

CRN 2386-82-5
CMF C11 H8 F6 O



L4 ANSWER 13 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:816516 CAPLUS
DOCUMENT NUMBER: 135:359862
TITLE: Composition of fire-extinguishing agent for fires of solvents
INVENTOR(S): Tanaka, Kazunori; Nagao, Kenji; Hashimoto, Yutaka
PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001083037	A1	20011108	WO 2001-JP3608	20010426
W: KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
JP 2001314525	A	20011113	JP 2000-133406	20000502
EP 1287855	A1	20030305	EP 2001-925941	20010426

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

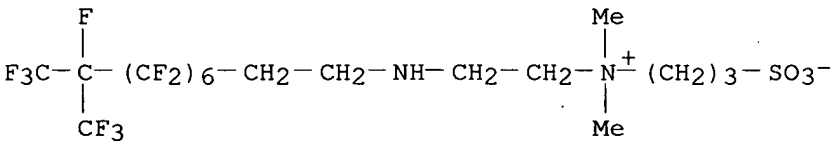
KR 777764	B1	20071120	KR 2001-41641		20010711
EP 1275417	A1	20030115	EP 2001-116661		20010713
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
US 2003201419	A1	20031030	US 2002-257988		20021030
PRIORITY APPLN. INFO.:			JP 2000-133406	A	20000502
			WO 2001-JP3608	W	20010426

AB A fire-extinguishing agent is superior to conventional ones in rapidly extinguishing performance, flame resistance, liquid resistance, satisfactory stability to dilution and reignition prevention even in fires involving either a nonpolar solvent or a polar solvent. The fire-extinguishing chemical contains a cationic polyamine polymer (A), and a 50 weight% aqueous solution of A has a viscosity of 10,000 to 30,000 mPa.s at 25°.

IT 364055-55-0
RL: MOA (Modifier or additive use); USES (Uses)
(in composition of fire-extinguishing agent for fires of solvents)

RN 364055-55-0 CAPLUS

CN 1-Propanaminium, N-[2-[[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl]amino]ethyl]-N,N-dimethyl-3-sulfo-, inner salt (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:336442 CAPLUS
DOCUMENT NUMBER: 134:346466
TITLE: Chemically amplified photoresist composition for semiconductor device fabrication
INVENTOR(S): Uetani, Yasunori; Hashimoto, Kazuhiko; Miya, Yoshiko; Inoue, Hiroki
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Ger. Offen., 22 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 10054996	A1	20010510	DE 2000-10054996		20001107
TW 527522	B	20030411	TW 2000-89122717		20001027
JP 2002006501	A	20020109	JP 2000-332641		20001031
GB 2356258	A	20010516	GB 2000-27168		20001107
GB 2356258	B	20011219			
PRIORITY APPLN. INFO.:			JP 1999-318116	A	19991109
			JP 2000-29156	A	20000207
			JP 2000-29159	A	20000207
			JP 2000-119397	A	20000420

AB The title chemical amplified photoresist composition includes a photosensitive compound containing a monomer unit of CH2:C(CO2R1)Q [Q = H, Me,

C1-4-fluoroalkyl; R1 = C1-14-alkyl, alicycle, lactone]. The composition shows improved contrast with ≤170 nm exposure.

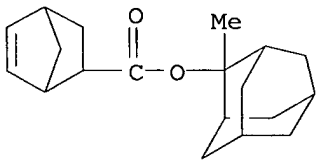
IT 337512-34-2P, 2-Methyladamantyl bicyclo[2.2.1]hept-5-en-2-carboxylate-maleic anhydride-3-(perfluoro-3-methylbutyl)-2-hydroxypropyl acrylate copolymer 337512-35-3P 337512-36-4P 337512-37-5P 337512-38-6P 337512-40-0P 337512-41-1P
RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)
(photosensitive compound in chemical amplified photoresist composition for semiconductor device fabrication)

RN 337512-34-2 CAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methyltricyclo[3.3.1.13,7]dec-2-yl ester, polymer with 2,5-furandione and 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-propenoate (9CI) (CA INDEX NAME)

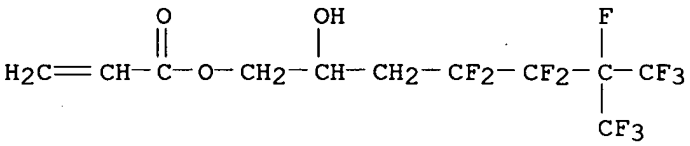
CM 1

CRN 328087-85-0
CMF C19 H26 O2



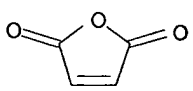
CM 2

CRN 16083-76-4
CMF C11 H9 F11 O3



CM 3

CRN 108-31-6
CMF C4 H2 O3

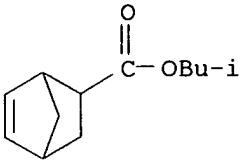


RN 337512-35-3 CAPLUS

CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 2-methylpropyl ester, polymer with 2,5-furandione and 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-propenoate (9CI) (CA INDEX NAME)

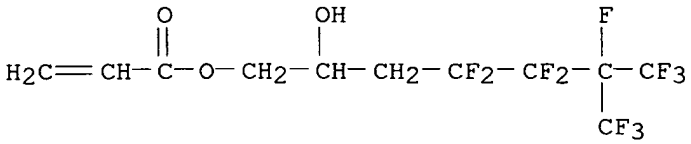
CM 1

CRN 303154-49-6
CMF C12 H18 O2



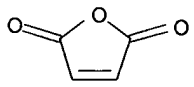
CM 2

CRN 16083-76-4
CMF C11 H9 F11 O3



CM 3

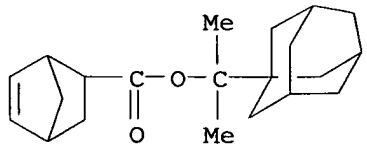
CRN 108-31-6
CMF C4 H2 O3



RN 337512-36-4 CAPLUS
CN Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 1-methyl-1-tricyclo[3.3.1.13,7]dec-1-ylethyl ester, polymer with 2,5-furandione and 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

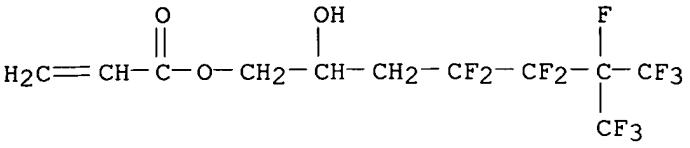
CRN 328087-76-9
CMF C21 H30 O2



CM 2

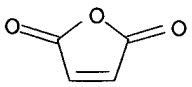
CRN 16083-76-4

CMF C11 H9 F11 O3



CM 3

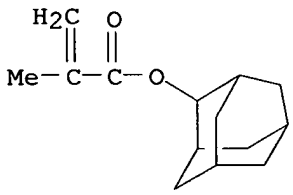
CRN 108-31-6
CMF C4 H2 O3



RN 337512-37-5 CAPLUS
CN 2-Propenoic acid, 2-methyl-, tricyclo[3.3.1.13,7]dec-2-yl ester, polymer with 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-propenoate (9CI) (CA INDEX NAME)

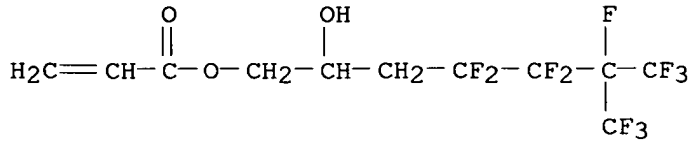
CM 1

CRN 133682-15-2
CMF C14 H20 O2



CM 2

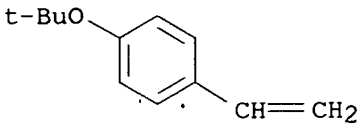
CRN 16083-76-4
CMF C11 H9 F11 O3



RN 337512-38-6 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl ester, polymer with 1-(1,1-dimethylethoxy)-4-ethenylbenzene (9CI) (CA INDEX NAME)

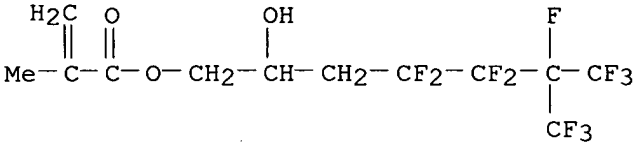
CM 1

CRN 95418-58-9
CMF C12 H16 O



CM 2

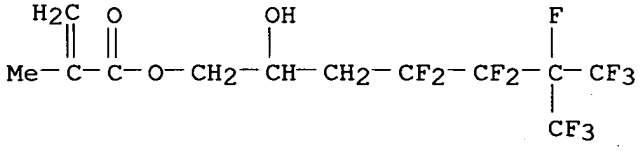
CRN 16083-79-7
CMF C12 H11 F11 O3



RN 337512-40-0 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl ester, polymer with 1,1-dimethylethyl 2-propenoate and 4-ethenylphenyl acetate (9CI) (CA INDEX NAME)

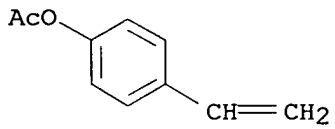
CM 1

CRN 16083-79-7
CMF C12 H11 F11 O3



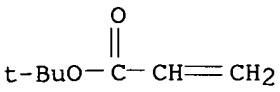
CM 2

CRN 2628-16-2
CMF C10 H10 O2



CM 3

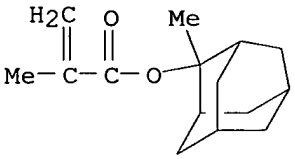
CRN 1663-39-4
CMF C7 H12 O2



RN 337512-41-1 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-methyltricyclo[3.3.1.13,7]dec-2-yl ester, polymer with 4-ethenylphenyl acetate and 4,4,5,5,6,7,7,7-octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

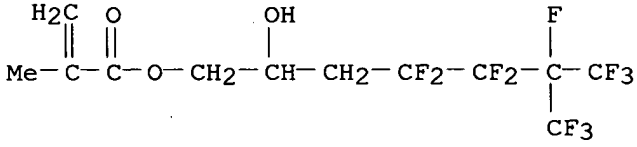
CM 1

CRN 177080-67-0
CMF C15 H22 O2



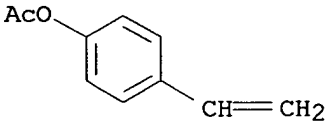
CM 2

CRN 16083-79-7
CMF C12 H11 F11 O3



CM 3

CRN 2628-16-2
CMF C10 H10 O2



L4 ANSWER 15 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:210141 CAPLUS
DOCUMENT NUMBER: 134:259162
TITLE: Resin composition for electrophotographic toner and toner using it
INVENTOR(S): Utakawa, Reiko
PATENT ASSIGNEE(S): Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001075310	A	20010323	JP 1999-288609	19990902

PRIORITY APPLN. INFO.: JP 1999-288609 19990902

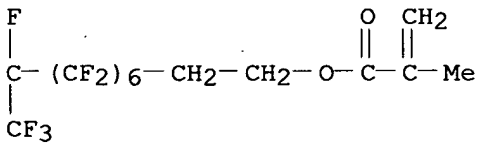
AB The resin composition contains a F-containing acrylate polymer [CH2CR(CO2Rf)]p [I;
R = H, Me, F, CF3; Rf = (CH2)m(CF2CF2)nCF3, (CH2)m(CF2CF2)nCF2CF3, CH2(CF2CF2)nH, CH2CF2CHFCF3, CH2(CF2CFCl)nCl, (CH2)m(CF2CF2)nCF(CF3)2, CH(CF3)2, CF(CF3)2, C(CF3)3, CH2CMe(CF3)2, CH2CF(CF3)[CF(CF3)CF2O]nOC3F7, (CH2)m(CF2CF2)n(CH2)mOH; m = 1-6,; n = 0-5], and the toner uses the composition In the resin composition containing (1) a F-containing vinyl copolymer comprising styrene-type monomer and the F-containing acrylate monomer I and (2) a low m.p. crystalline compound, F-containing vinyl copolymer comprises high and low mol. weight copolymers and ≥1 of the vinyl copolymer has side chain forming aggregation with the crystalline compound The color toner comprises the F-containing vinyl copolymer 100, rice wax 0.4-8, carnauba wax 0.1-2, and silicone oil 0.05-1 weight parts. The developer comprises the toner and a carrier. The toner shows low temperature fixation, antioffset and antiblocking properties, and gives images with high transparency and brightness.

IT 29435-68-5P 330796-54-8P
RL: PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(electrophotog. toner containing a fluorine-containing vinyl copolymer)

RN 29435-68-5 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

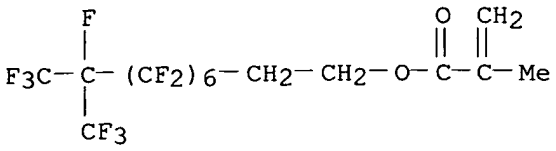
CRN 15166-00-4
CMF C15 H9 F19 O2



RN 330796-54-8 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, polymer with butyl 2-propenoate (9CI) (CA INDEX NAME)

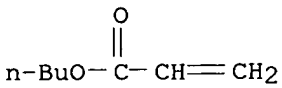
CM 1

CRN 15166-00-4
CMF C15 H9 F19 O2



CM 2

CRN 141-32-2
CMF C7 H12 O2



L4 ANSWER 16 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:756774 CAPLUS
DOCUMENT NUMBER: 133:322608
TITLE: Resin composition for biodegradable moldings, films or sheets with enhanced heat resistance and weatherability
INVENTOR(S): Satani, Shoichi; Nishikata, Akira; Okuno, Hirofumi; Hashimoto, Hideaki; Wada, Nobuaki; Sano, Shigeo; Voigt, Michael; Timmermann, Ralf; Schulz-Schlitte, Wolfgang
PATENT ASSIGNEE(S): C.I. Kasei Co. Ltd., Japan; Bayer Aktiengesellschaft
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063282	A1	20001026	WO 2000-EP3380	20000414
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000355653	A	20001226	JP 2000-82751	20000323
JP 2000354427	A	20001226	JP 2000-82752	20000323
JP 2000355632	A	20001226	JP 2000-82753	20000323
JP 2001001474	A	20010109	JP 2000-82754	20000323
JP 2001000050	A	20010109	JP 2000-82755	20000323
JP 2000355652	A	20001226	JP 2000-104307	20000406
JP 2001000053	A	20010109	JP 2000-104306	20000406
EP 1173507	A1	20020123	EP 2000-925213	20000414
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: JP 1999-108682 A 19990416
JP 1999-108683 A 19990416

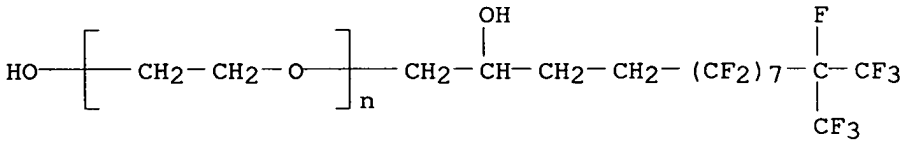
JP	1999-108684	A	19990416
JP	1999-108685	A	19990416
JP	1999-110230	A	19990419
JP	1999-110231	A	19990419
JP	1999-110232	A	19990419
WO	2000-EP3380	W	20000414

AB A resin composition with controlled biodegradability comprises ≥1 of antioxidants, UV and visible light absorbers, quenchers of photochem. excited states and addnl. additives and ≥1 biodegradable polymer selected from aliphatic or aromatic-aliphatic (co)polyesters, aliphatic or partially aromatic polyester-polyurethanes, aliphatic or aliphatic-aromatic polyester-polyamides, polysaccharide esters, polysaccharide ether esters, and moldings, films and sheets made therefrom have improved heat resistance and weather resistance when used in outdoor applications while maintaining excellent biodegradability and compostability. The products are especially useful as agricultural films. Thus, pellets made from a blend of an adipic acid-1,4-butanediol-ε-caprolactam copolymer (m.p. 137°) and 10 phr Super SS were extruded to form a 30-μm film requiring 35 days to degrade, compared with 45 days when Super SS was not blended.

IT 148919-89-5, DS 403
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(in resin composition for biodegradable moldings, films or sheets with enhanced heat resistance and weatherability)

RN 148919-89-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]-ω-hydroxy- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	2000:608835 CAPLUS
DOCUMENT NUMBER:	133:209384
TITLE:	Ceramer composition and composite comprising free radically curable fluorochemical component
INVENTOR(S):	Kang, Soonkun; Moore, George G. I.; Rambosek, Thomas W.
PATENT ASSIGNEE(S):	3M Innovative Properties Company, USA
SOURCE:	PCT Int. Appl., 55 pp. CODEN: PIXXD2
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050517	A1	20000831	WO 2000-US1071	20000118

W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,

LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 6238798	B1	20010529	US 1999-255195	19990222
EP 1163298	A1	20011219	EP 2000-908289	20000118
EP 1163298	B1	20051019		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000008408	A	20020205	BR 2000-8408	20000118
JP 2002537466	T	20021105	JP 2000-601085	20000118
US 2002001710	A1	20020103	US 2001-821366	20010329
US 6497961	B2	20021224		

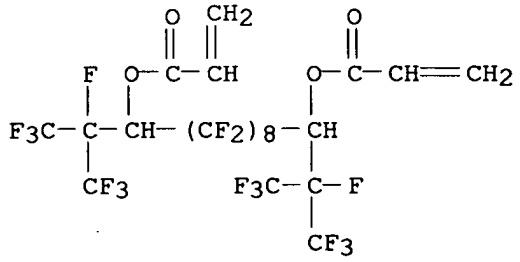
PRIORITY APPLN. INFO.:	US 1999-255195	A	19990222
	WO 2000-US1071	W	20000118

AB A ceramer composition is provided that comprises a plurality of colloidal inorg. oxide particles and a free-radically curable binder precursor. The free-radically curable binder precursor comprises a fluorochem. component that further comprises at least two free-radically curable moieties and at least one fluorinated moiety. By virtue of the inclusion of the fluorochem. component, the ceramer compns. of the present invention can be used to provide ceramer composites and ceramer composite structures with excellent stain, oil and/or water repellency characteristics as well as a high level of abrasion resistance and hardness.

IT 217825-94-0P
RL: IMF (Industrial manufacture); PREP (Preparation)
(ceramer composition and composite comprising free radically curable fluorochem. component)

RN 217825-94-0 CAPLUS

CN 2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-1,10-bis[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,10-decanediyl ester (9CI) (CA INDEX NAME)



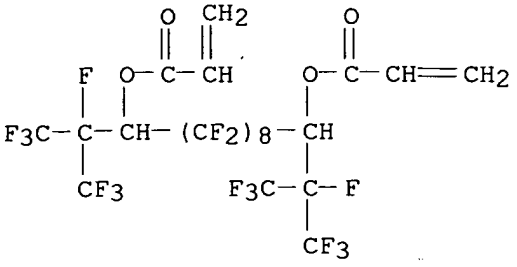
IT 290293-49-1P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(ceramer composition and composite comprising free radically curable fluorochem. component)

RN 290293-49-1 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester, polymer with 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluoro-1,10-bis[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-1,10-decanediyl di-2-propenoate and 2-(hydroxymethyl)-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl di-2-propenoate (9CI) (CA INDEX NAME)

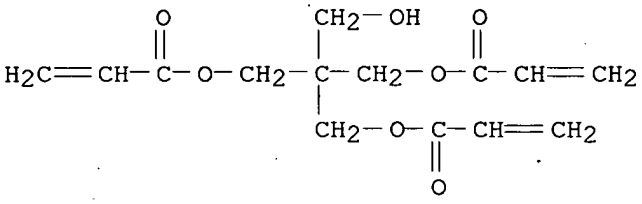
CM 1

CRN 217825-94-0
CMF C22 H8 F30 O4



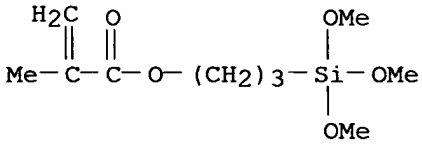
CM 2

CRN 3524-68-3
CMF C14 H18 O7

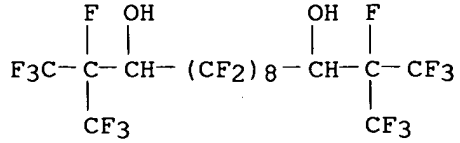


CM 3

CRN 2530-85-0
CMF C10 H20 O5 Si



IT 290293-43-5P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(ceramer composition and composite comprising free radically curable fluorochem. component)
RN 290293-43-5 CAPLUS
CN 3,12-Tetradecanediol, 1,1,1,2,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,13,14,14,14-tetracosafluoro-2,13-bis(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 18 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:198204 CAPLUS
DOCUMENT NUMBER: 132:223891
TITLE: Low-adhesive coating composition
INVENTOR(S): Samukawa, Hiroshi
PATENT ASSIGNEE(S): Sony Chemical Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000086996	A	20000328	JP 1998-254349	19980908
JP 3520775	B2	20040419		
US 2003049441	A1	20030313	US 2000-497477	20000204
US 6566439	B2	20030520		

PRIORITY APPLN. INFO.: JP 1998-254349 A 19980908

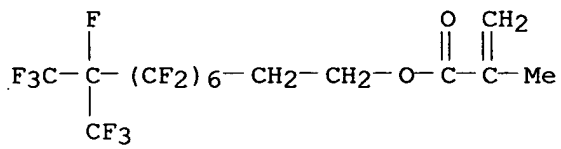
AB A non-silicone coating material, which has sufficient adhesion toward the substrate, but has less adhesive strength to an adhesive layer, comprises 33-99 weight% of a fluorine-containing acrylic polymer prepared mainly from C6-16 perfluoroalkyl (meth)acrylate monomers and 1-67 weight% of a fluorine-containing oil. An adhesive tape comprising a substrate having an adhesive layer on one side and a coating layer of the above composition on the other side is also claimed.

IT 29435-68-5P 154032-31-2P
RL: IMF (Industrial manufacture); POF (Polymer in formulation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(low-adhesive coating composition)

RN 29435-68-5 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

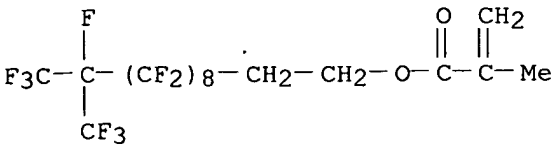
CRN 15166-00-4
CMF C15 H9 F19 O2



RN 154032-31-2 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 74256-14-7
CMF C17 H9 F23 O2



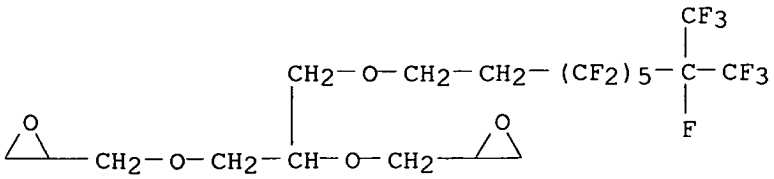
L4 ANSWER 19 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:597495 CAPLUS
DOCUMENT NUMBER: 131:215208
TITLE: Fluorine-containing epoxy resin composition, and surface modification process, ink jet recording head and ink jet recording apparatus using same
INVENTOR(S): Noguchi, Hiromichi; Shimomura, Akihiko; Imamura, Isao; Sato, Tamaki
PATENT ASSIGNEE(S): Canon Kabushiki Kaisha, Japan
SOURCE: Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 942026	A2	19990915	EP 1999-104674	19990309
EP 942026	A3	20020502		
EP 942026	B1	20060222		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6344526	B1	20020205	US 1999-263871	19990308
ES 2256979	T3	20060716	ES 1999-104674	19990309
JP 2000026575	A	20000125	JP 1999-63177	19990310
PRIORITY APPLN. INFO.:			JP 1998-57637 A	19980310
			JP 1998-57639 A	19980310

AB A resin composition comprising a fluorine-containing aliphatic epoxy resin having in one mol. at least one perfluoroalkyl group having 6 to 12 carbon atoms and at lest two epoxy groups, a cationic polymerization catalyst, and optionally a compatibilizing agent having an epoxy group and a fluoromethyl group is applied to a discharge opening surface of an ink jet recording head, followed by irradiation with an activation energy ray in a given pattern to form a cured film in a desired pattern, so that the discharge opening surface is endowed with ink repellency.

IT 242479-35-2
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(fluorine-containing epoxy resin composition, and surface modification process, ink jet recording head and ink jet recording apparatus using same)

RN 242479-35-2 CAPLUS
CN Oxirane, 2,2'-[[1-[[[3,3,4,4,5,5,6,6,7,7,8,9,9,9-tetradecafluoro-8-(trifluoromethyl)nonyl]oxy]methyl]-1,2-ethanediyl]bis(oxymethylene)]bis- (9CI) (CA INDEX NAME)



L4 ANSWER 20 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:597493 CAPLUS
DOCUMENT NUMBER: 131:200856
TITLE: Fluorine-containing epoxy resin composition for use in ink jet recording head
INVENTOR(S): Noguchi, Hiromichi; Shimomura, Akihiko; Imamura, Isao; Sato, Tamaki
PATENT ASSIGNEE(S): Canon Kabushiki Kaisha, Japan
SOURCE: Eur. Pat. Appl., 30 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 942024	A2	19990915	EP 1999-104672	19990309
EP 942024	A3	20020502		
EP 942024	B1	20061227		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2002058210	A1	20020516	US 1999-263083	19990308
US 6472129	B2	20021029		
EP 1783153	A2	20070509	EP 2006-126803	19990309
R: DE, ES, FR, GB, IT, NL				
ES 2274593	T3	20070516	ES 1999-104672	19990309
JP 11322896	A	19991126	JP 1999-63178	19990310
PRIORITY APPLN. INFO.:			JP 1998-57638 A	19980310
			EP 1999-104672 A3	19990309

AB The title resin composition comprises a F-containing epoxy resin having ≥ 1 perfluoroalkyl group with 6-12 carbon atoms and ≥ 2 alicyclic epoxy groups, along with a cationic polymerization catalyst.

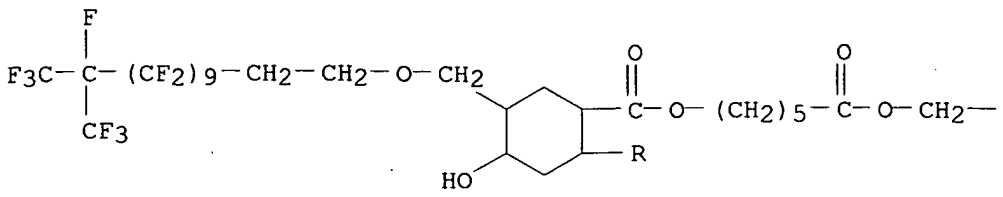
IT 241825-47-8 241825-52-5 242146-33-4
RL: TEM (Technical or engineered material use); USES (Uses)
(Fluorine-containing epoxy resin composition for use in ink jet recording head)

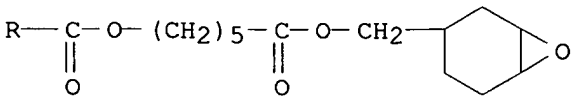
RN 241825-47-8 CAPLUS
CN 1,2-Cyclohexanedicarboxylic acid, 4-[[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-docosafluoro-12-(trifluoromethyl)tridecyl]oxy]methyl]-5-hydroxy-, bis[6-(7-oxabicyclo[4.1.0]hept-3-ylmethoxy)-6-oxohexyl] ester, polymer with 3-ethenyl-7-oxabicyclo[4.1.0]heptane and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro-1-decene (9CI) (CA INDEX NAME)

CM 1

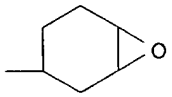
CRN 241825-46-7
CMF C49 H57 F25 O12

PAGE 1-A



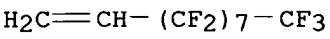


PAGE 1-B



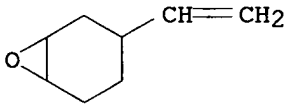
CM 2

CRN 21652-58-4
CMF C10 H3 F17



CM 3

CRN 106-86-5
CMF C8 H12 O

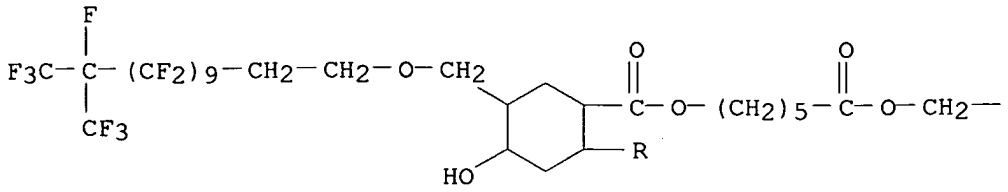


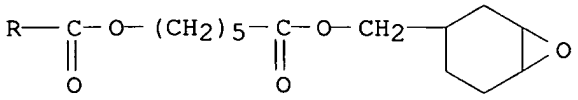
RN 241825-52-5 CAPLUS
CN 1,2-Cyclohexanedicarboxylic acid, 4-[[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-docosafluoro-12-(trifluoromethyl)tridecyl]oxy]methyl]-5-hydroxy-, bis[6-(7-oxabicyclo[4.1.0]hept-3-ylmethoxy)-6-oxohexyl] ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 241825-46-7
CMF C49 H57 F25 O12

PAGE 1-A





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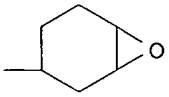
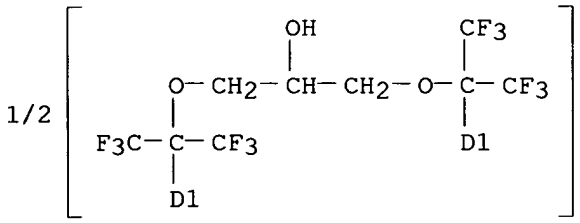


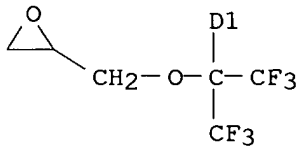
RN 242146-33-4 CAPLUS

CN 1,2-Cyclohexanedicarboxylic acid, 4-[[[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-docosafluoro-12-(trifluoromethyl)tridecyl]oxy]methyl]-5-hydroxy-, bis[6-(7-oxabicyclo[4.1.0]hept-3-ylmethoxy)-6-oxohexyl] ester, polymer with 1,3-bis[2,2,2-trifluoro-1-(trifluoromethyl)-1-[[2,2,2-trifluoro-1-(oxiranylmethoxy)-1-(trifluoromethyl)ethyl]phenyl]ethoxy]-2-propanol, 3-ethenyl-7-oxabicyclo[4.1.0]heptane and 5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heptadecafluoro-1-dodecene (9CI) (CA INDEX NAME)

CM 1

CRN 242146-32-3
CMF C33 H24 F24 O7
CCI IDS

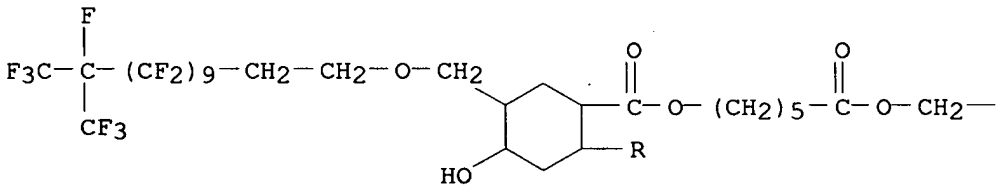


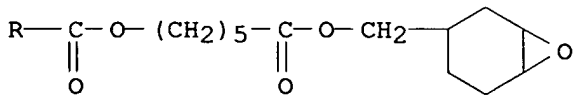


CM 2

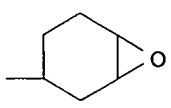
CRN 241825-46-7
CMF C49 H57 F25 O12

PAGE 1-A



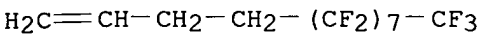


PAGE 1-B



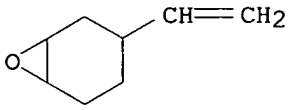
CM 3

CRN 30389-21-0
CMF C12 H7 F17



CM 4

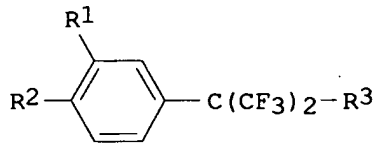
CRN 106-86-5
CMF C8 H12 O



L4 ANSWER 21 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:225909 CAPLUS
DOCUMENT NUMBER: 130:289247
TITLE: Reversible thermochromic composition with bright color
INVENTOR(S): Fujita, Katsuyuki
PATENT ASSIGNEE(S): Pilot Ink Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11092759	A	19990406	JP 1997-272191	19970917
PRIORITY APPLN. INFO.:			JP 1997-272191	19970917

OTHER SOURCE(S): MARPAT 130:289247
GI

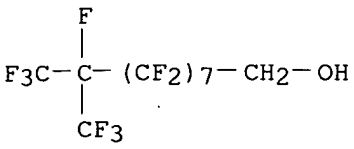


I

AB The composition contains (A) an electron-donating organic coloring agent, (B) an electron-accepting F-containing alc. selected from F(CF2)nR, CF(CF3)2(CF2)nR', H(CF2)nR', CH2FR', CH(CF2)2R", CF3CHFCF2R', and a phenyl-substituted compound I [R = CH2OH, C2H4OH, OCF(CF3)CH2OH; R' = CH2OH, C2H4OH; R" = OH, CH2OH; n = 1-16; R1, R2 = H, CF(CF3)2R3; R3 = OH, CH2OH, C2H4OH; R1 = R2 ≠ CF(CF3)2R3], and (C) a reaction medium which induces reversible electron-transfer reaction in a specific temperature range. The composition gives bright color and is useful for thermometers, toys, decorative materials, etc.

IT 222614-02-0
RL: TEM (Technical or engineered material use); USES (Uses)
(electron acceptor; reversible thermochromic composition containing F-containing

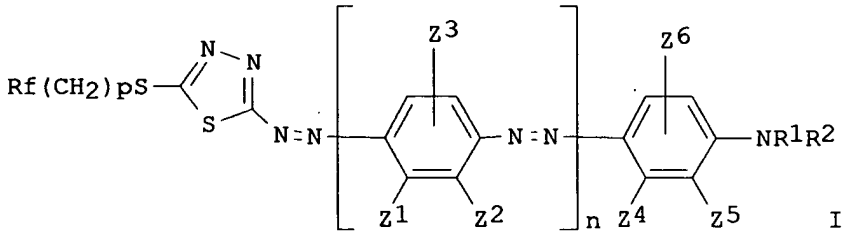
alc. electron donor)
RN 222614-02-0 CAPLUS
CN 1-Decanol, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-octadecafluoro-9-(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 22 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:576635 CAPLUS
DOCUMENT NUMBER: 129:252573
TITLE: Fluorine-containing azo dichroic dye, liquid-crystal composition containing it, and liquid-crystal component using it
INVENTOR(S): Kaneko, Masaharu; Ishio, Hisayo
PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10231436	A	19980902	JP 1997-51113	19970220
PRIORITY APPLN. INFO.:			JP 1997-51113	19970220
OTHER SOURCE(S):	MARPAT 129:252573			

GI



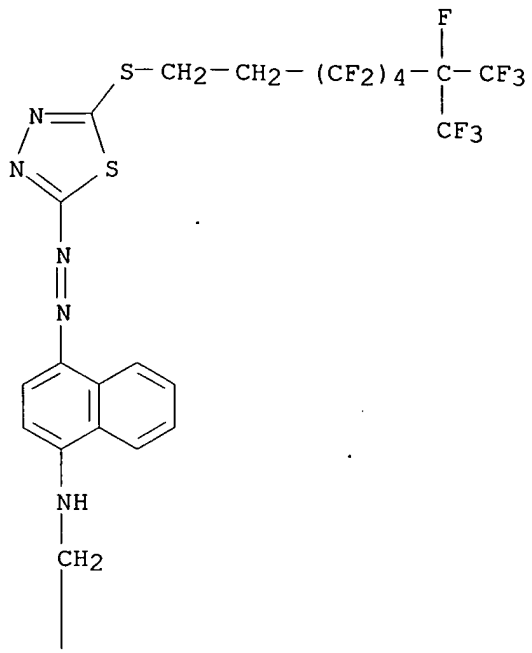
AB The claimed F-containing azo dichroic dye is shown as I [Rf = alkyl substituted with ≥3 F; R1, R2 = H, alkyl, alkoxyalkyl, alkyl substituted with ≥3 F, (substituted) aralkyl, (substituted) cycloalkyl; R1 and R2, R1 and Z6, and/or R2 and Z6 may form N-containing aliphatic ring; Z1-6 = H, halo, Me, MeO; Z1 and Z2 and/or Z4 and Z5 may form aliphatic, aromatic, or N-containing aromatic ring; n = 0-2; p = 1, 2]. The liquid-crystal composition contains I. The liquid-crystal component containing the above composition is also claimed. The dye shows high dichroism and gives liquid-crystal components for red-blue images with improved durability in repeated use.
IT 212482-58-1
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(F-containing azo dichroic dye for liquid-crystal displays giving

high-contrast red-blue image)

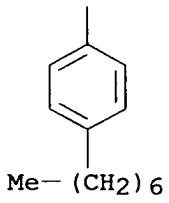
RN 212482-58-1 CAPLUS

CN 1-Naphthalenamine, 4-[[5-[[3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl]thio]-1,3,4-thiadiazol-2-yl]azo]-N-[(4-heptylphenyl)methyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L4 ANSWER 23 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:267129 CAPLUS

DOCUMENT NUMBER: 126:285789

TITLE: Preparation of 2,3-dicyanobenzene derivatives as liquid crystals and chiral smectic liquid crystal composition, liquid crystal device, and liquid crystal apparatus

INVENTOR(S): Nakamura, Shinichi; Yamada, Nobutsugu; Shinjo, Kenji; Terada, Masahiro; Sato, Koichi

PATENT ASSIGNEE(S): Canon Kk, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

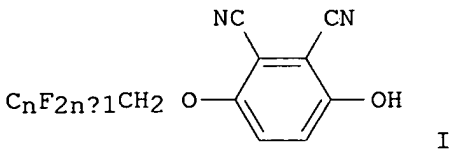
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09059241	A	19970304	JP 1995-234652	19950822
PRIORITY APPLN. INFO.:			JP 1995-234652	19950822

GI



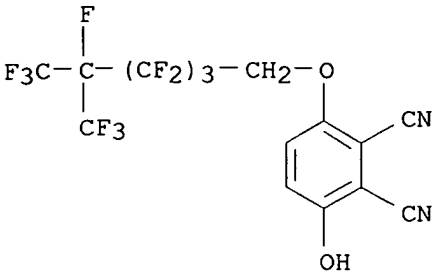
I

AB The title compds. represented by general formula X-Z [X = (un)branched C2-30 alkyl containing at least one perfluorocarbon, wherein one or 2≥ CH2 groups of the alkyl chain are optionally replaced by Y, YCO, COY, CO, O CO2, CH:CH, or C.tplbond.C (wherein Y = O, S) and the alkyl group is optionally substituted by OH, NRR', or CO2H (wherein R, R' = H, C1-5 alkyl); Z = 2,3-dicyanophenyl optionally substituted by a plural number of OH, NH2, and F], preferably p-(perfluoroalkylmethyl)-2,3-dicyanophenol (I; n = 2-20), are prepared A chiral smectic liquid crystal composition containing at least each one of above compds. and other liquid crystal compds., preferably phenylpyrimidne derivs., is claimed. A liquid crystal element comprises electrodes on a pair of top and bottom substrates and an orientation control layer having different orientation effect on a liquid crystal on each top and bottom substrate wherein polyimide is used at least one of the orientation layers, and a liquid crystal sandwiched between the pair of substrates, wherein the liquid crystal is a chiral smectic liquid crystal composition consisting of ≥1 compds. I and a group of F-containing liquid crystal compds. each having a fluorocarbon terminus and a hydrocarbon terminus both bonded to a nucleus and possessing a smectic phase or a potential smectic phase (≥70 weight%), and ≥30 weight% of the F-containing liquid crystal compds. consists of compds. containing an etheric O in at least one of fluorocarbon side chains. A liquid crystal apparatus using above liquid crystal element is claimed. This chiral smectic liquid crystal element realizes high brilliance, reliability, speed, contrast, and definition, large display area, and a book shelf or a similar structure of small phase tilt angle and has no initial problem of nonsymmetry and is useful for a flat panel display, projection display, and a light bulb for a printer.

IT 188643-82-5P
RL: DEV (Device component use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of dicyanobenzene derivs. as liquid crystals and chiral smectic liquid crystal composition, liquid crystal device, and liquid crystal apparatus)

RN 188643-82-5 CAPLUS

CN 1,2-Benzenedicarbonitrile, 3-[[2,2,3,3,4,4,5,6,6,6-decafluoro-5-(trifluoromethyl)hexyl]oxy]-6-hydroxy- (CA INDEX NAME)



IT 188643-85-8
RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)
(preparation of dicyanobenzene derivs. as liquid crystals and chiral smectic liquid crystal composition, liquid crystal device, and liquid crystal apparatus)
RN 188643-85-8 CAPLUS
CN [1,1'-Biphenyl]-4-carboxylic acid, 4'-octyl-, 5-(hexyloxy)tetrahydro-6-(trifluoromethyl)-2H-pyran-2-yl ester, mixt. with 3-[[2,2,3,3,4,4,5,6,6,6-decafluoro-5-(trifluoromethyl)hexyl]oxy]-6-hydroxy-1,2-benzenedicarbonitrile, 5-decyl-2-[4-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]phenyl]pyrimidine, 2-[4-[2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(nonafluorobutoxy)ethoxy]ethoxy]phenyl]-5-octylpyrimidine, 5-nonyl-2-[4-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]phenyl]pyrimidine, 5-octyl-2-[4-[(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)oxy]phenyl]pyrimidine and tetrahydro-3,3-dimethyl-6-[[4-(5-octyl-2-pyrimidinyl)phenoxy]methyl]-2H-pyran-2-one (9CI) (CA INDEX NAME)

CM 1

CRN 188643-82-5
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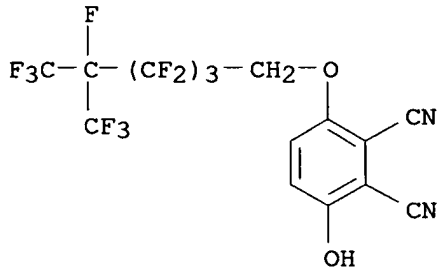

CM 2

CRN 188643-78-9
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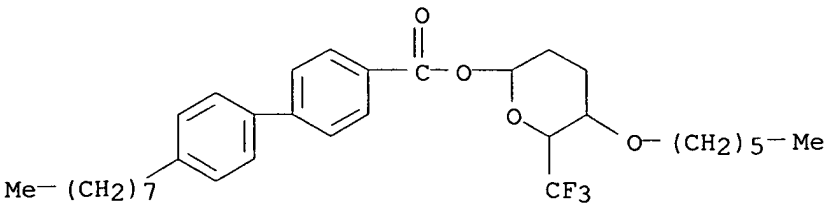
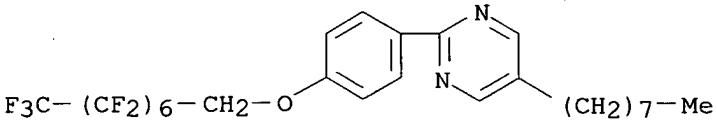


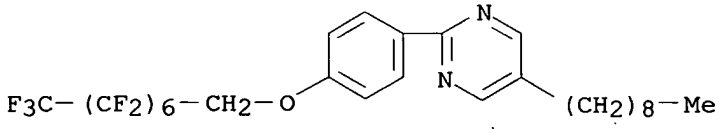
CM 3

CRN 152915-43-0
CMF C26 H25 F15 N2 O



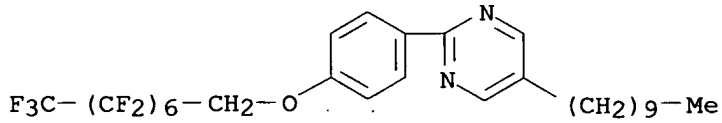
CM 4

CRN 152915-42-9
CMF C27 H27 F15 N2 O



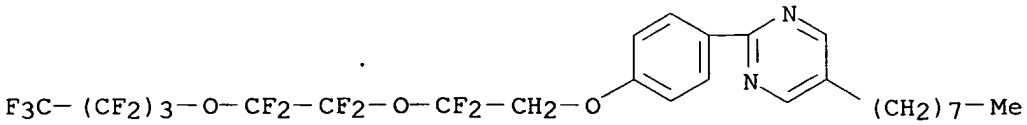
CM 5

CRN 152915-41-8
CMF C28 H29 F15 N2 O



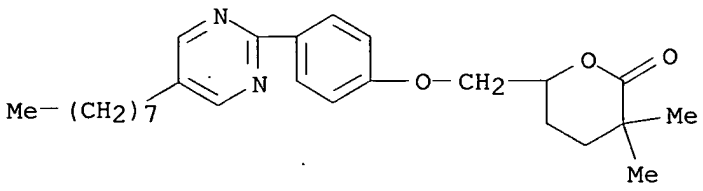
CM 6

CRN 152914-98-2
CMF C26 H25 F15 N2 O3



CM 7

CRN 141024-07-9
CMF C26 H36 N2 O3



L4 ANSWER 24 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:134100 CAPLUS
DOCUMENT NUMBER: 124:179539
TITLE: Mixed solvent composition used as cleaning agents
INVENTOR(S): Kitamura, Kenroh; Ikehata, Michino; Tsuzaki, Masaaki
PATENT ASSIGNEE(S): AG Technology Co., Ltd., Japan
SOURCE: PCT Int. Appl., 46 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

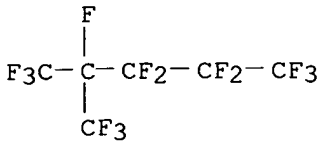
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9532274	A1	19951130	WO 1995-JP948	19950518
W: US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 07316595	A	19951205	JP 1994-113004	19940526
EP 710715	A1	19960508	EP 1995-918736	19950518
R: FR, GB, IT				
JP 08034996	A	19960206	JP 1995-121417	19950519
JP 08120298	A	19960514	JP 1995-121416	19950519
JP 3346946	B2	20021118		
US 5827454	A	19981027	US 1996-578533	19960118
US 6042749	A	20000328	US 1998-92309	19980605

PRIORITY APPLN. INFO.:
JP 1994-105754 A 19940519
JP 1994-113004 A 19940526
JP 1994-205660 A 19940830
WO 1995-JP948 W 19950518
US 1996-578533 A1 19960118

AB A mixed solvent composition useful for cleaning electronic parts, etc., contains 1,1,1,2,3,4,4,5,5,5-decafluoropentane (I) and/or perfluorohexane and dichloropentafluoropropane as the essential ingredients, or contains I and/or perfluorohexane, dichloropentafluoropropane, and an alc. as the essential ingredients.

IT 355-04-4, Perfluoro-2-methylpentane
RL: NUU (Other use, unclassified); USES (Uses)
(mixed solvent composition used as cleaning agents)

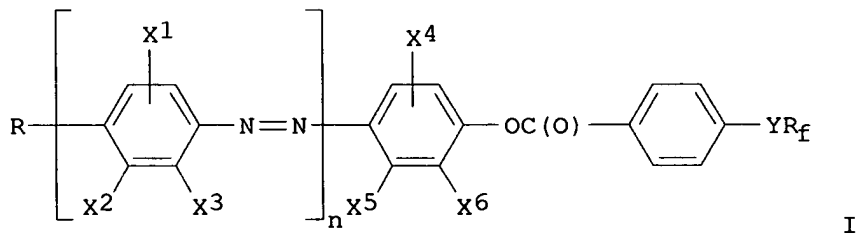
RN 355-04-4 CAPLUS
CN Pentane, 1,1,1,2,2,3,3,4,5,5,5-undecafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 25 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1996:128488 CAPLUS
DOCUMENT NUMBER: 124:274413
TITLE: Fluorine-containing azo dye, liquid crystalline composition, and liquid crystalline device
INVENTOR(S): Kaneko, Masaharu; Yoneyama, Tomio
PATENT ASSIGNEE(S): Mitsubishi Kagaku KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07324169	A	19951212	JP 1994-118534	19940531
PRIORITY APPLN. INFO.:			JP 1994-118534	19940531
OTHER SOURCE(S):	MARPAT 124:274413			

GI



I

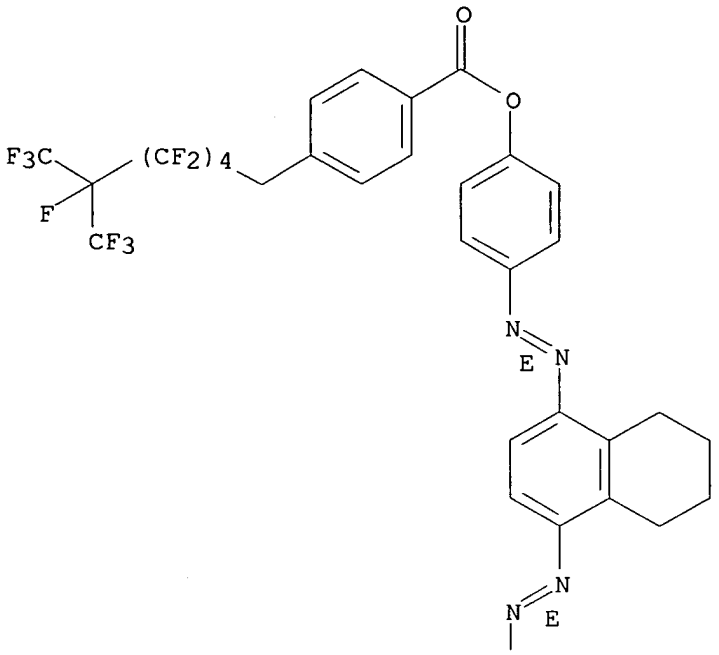
AB The title yellow F-containing azo dye I [Rf = ≥3 F-substituted alkyl which may be substituted with perfluoroalkoxy; Y = phenylene, (CH2)m, CH2CH:CH; m = 0-8; R = H, halo, alkyl, alkoxyalkyl, alkoxy, YRf, alkyl, Ph or cyclohexyl which may be substituted with alkoxyalkyl or alkoxy; X1-6 = H, halo, Me, methoxy; X2-3 and X5-6 may be bonded to each other to form aliphatic, aromatic, or N-containing aromatic ring; n = 1-3]. The composition contains liquid crystalline substance and the dye. The device is composed of the liquid crystalline composition sandwiched between substrates with electrodes, ≥1 of which is transparent.

IT 174962-36-8
RL: TEM (Technical or engineered material use); USES (Uses)
(fluorine-containing yellow azo dye, liquid crystalline composition, and liquid crystalline device)

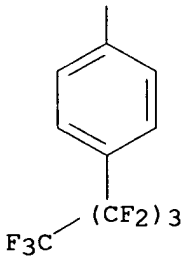
RN 174962-36-8 CAPLUS
CN Benzoic acid, 4-[2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptyl]-, 4-[[5,6,7,8-tetrahydro-4-[[4-(nonafluorobutyl)phenyl]azo]-1-naphthalenyl]azo]phenyl ester, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A



PAGE 2-A



L4 ANSWER 26 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

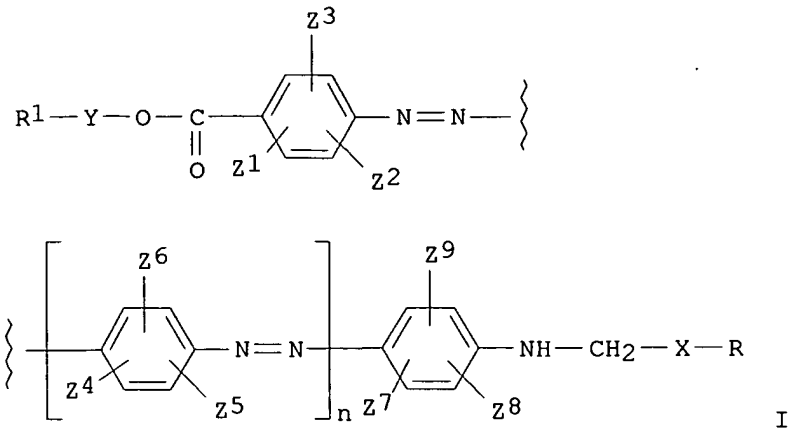
ACCESSION NUMBER:	1996:35325 CAPLUS
DOCUMENT NUMBER:	124:189650
TITLE:	Dichroic dye, liquid crystal composition containing it and liquid crystal device with high contrast
INVENTOR(S):	Kaneko, Masaharu; Hosogai, Hisayo
PATENT ASSIGNEE(S):	Mitsubishi Kagaku KK, Japan
SOURCE:	Jpn. Kokai Tokkyo Koho, 8 pp. CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07278551	A	19951024	JP 1994-77638	19940415

PRIORITY APPLN. INFO.: JP 1994-77638 19940415

GI



I

AB F-containing azo-type dichroic dye I [R1 = alkyl containing ≥3 Fs; Y = (CH2)m, CH2CH:CH; m = 1-8; R = alkyl, alkoxyalkyl, Ph, cyclohexyl; X = 1,4-phenylene, 1,4-cyclohexylene; Z1-9 = H, halo, Me, methoxy; n = 0,1] is claimed.

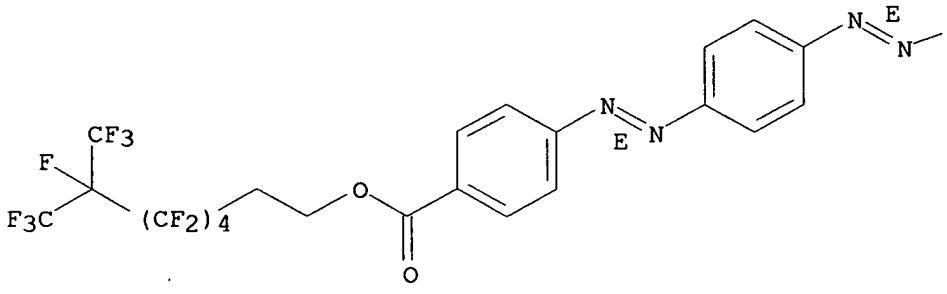
IT 173923-20-1
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)
(liquid crystal composition containing fluorine-containing dichroic azo dye)

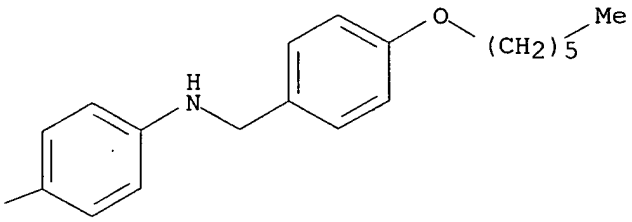
RN 173923-20-1 CAPLUS

CN Benzoic acid, 4-[[4-[[4-[[[4-(hexyloxy)phenyl]methyl]amino]phenyl]azo]phenyl]azo]-, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester, (E,E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

PAGE 1-A

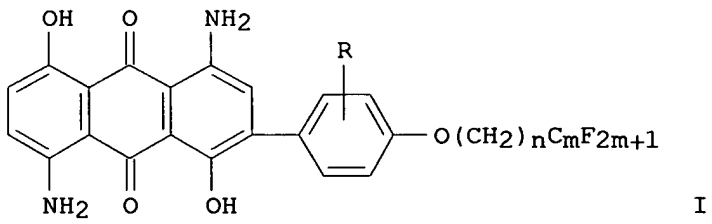




L4 ANSWER 27 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:974147 CAPLUS
DOCUMENT NUMBER: 124:131661
TITLE: Anthraquinone compound, dichroism dye, and liquid crystal composition
INVENTOR(S): Takuma, Hirosuke; Kuroda, Shizuo
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07252423	A	19951003	JP 1994-45540	19940316
PRIORITY APPLN. INFO.:			JP 1994-45540	19940316

OTHER SOURCE(S): MARPAT 124:131661
GI

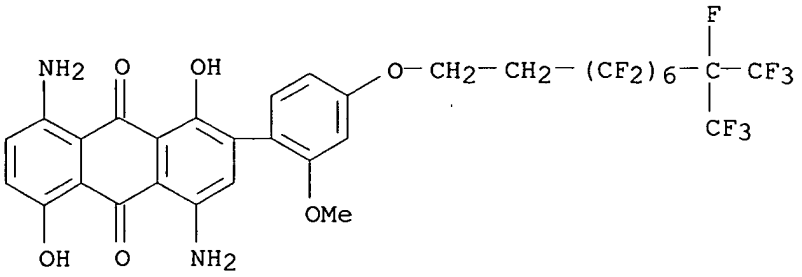


I

AB The liquid crystal composition contains ≥1 anthraquinone compound I (R = H, halo, Me, MeO; n = 0-6; m = 1-10) as a dichroism blue dye. I shows high dichroism ratio and good durability.

IT 173027-41-3P
RL: PNU (Preparation, unclassified); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(perfluoroalkyl-containing anthraquinone dichroism blue dye with good durability and liquid crystal compns. for displays)

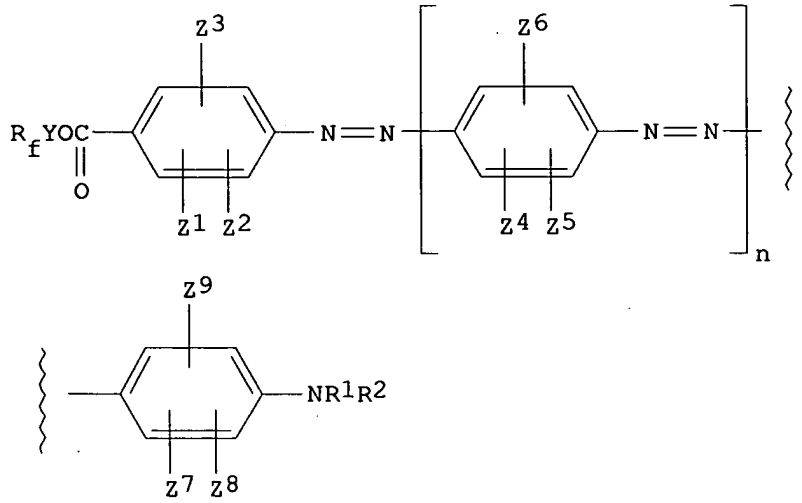
RN 173027-41-3 CAPLUS
CN 9,10-Anthracenedione, 4,8-diamino-2-[4-[[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl]oxy]-2-methoxyphenyl]-1,5-dihydroxy- (CA INDEX NAME)



L4 ANSWER 28 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:922143 CAPLUS
DOCUMENT NUMBER: 124:101952
TITLE: Dichroic dye, liquid crystal composition using it and liquid crystal devices
INVENTOR(S): Kaneko, Masaharu; Hosogai, Hisayo
PATENT ASSIGNEE(S): Mitsubishi Kagaku KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07224282	A	19950822	JP 1994-15431	19940209
PRIORITY APPLN. INFO.:			JP 1994-15431	19940209

OTHER SOURCE(S): MARPAT 124:101952
GI



I

AB The F-containing azo-type dichloric dye has formula I [Rf = ≥3 F-substituted alkyl optionally substituted with (Cl-substituted) perfluoroalkoxy, or Cl; Y = (halo-substituted) (CH2)m, or CH2CH:CH; R1-2 = (alkoxy) alkyl, (substituted) aralkyl, or fluoroalkyl; R1 and R2 may form N-containing aliphatic ring; Z1-9 = H, halo, Me, or methoxy; Z1 and Z2, Z4 and Z5, or Z7 and Z8 may form aliphatic ring or (N-containing) aromatic ring; m = 1-8, n

= 0, 1]. The liquid crystal composition contains the chromic dye and liquid crystal compound The liquid crystal device comprises the liquid crystal composition

The device, using the liquid crystal composition with high dichroism and coloring property, shows good contrast and durability.

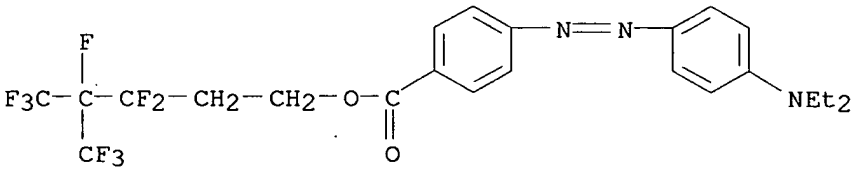
IT 172414-27-6

RL: DEV (Device component use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(fluorine-containing azo dichroic dye for liquid crystal composition and liquid crystal device)

RN 172414-27-6 CAPLUS

CN Benzoic acid, 4-[[4-(diethylamino)phenyl]azo]-, 3,3,4,5,5,5-hexafluoro-4-(trifluoromethyl)pentyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 29 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1995:789127 CAPLUS

DOCUMENT NUMBER: 123:230632

TITLE: Abherent composition containing fluoropolymers and silicones

INVENTOR(S): Yamana, Masayuki; Aga, Tsukasa

PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan

SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500307	A1	19950105	WO 1994-JP995	19940622
W: CN, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 705671	A1	19960410	EP 1994-918546	19940622
EP 705671	B1	19990407		
R: DE, FR, GB				
CN 1125920	A	19960703	CN 1994-192559	19940622
CN 1054800	B	20000726		
JP 3348433	B2	20021120	JP 1995-502649	19940622
US 6531525	B1	20030311	US 1995-569256	19951222
PRIORITY APPLN. INFO.:			JP 1993-153237 A	19930624
			WO 1994-JP995 W	19940622

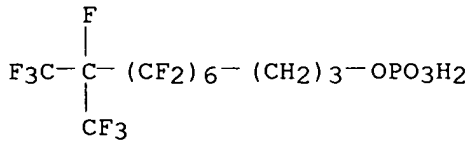
OTHER SOURCE(S): MARPAT 123:230632

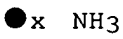
AB An abherent composition comprises (A) a compound having a C4-C20 perfluoro-alkyl or alkenyl group, (B) polytetrafluoroethylene having a number-average mol. weight of 500 thousand or less, an d (C) at least one compound selected from the group consisting of silicone oils, silicone resins and highly fluorinated compds. each having a b.p. of 100°C or above, except for those included in the components (A) and (B). This composition prevents various

articles from adhering to each other and is suitable as a parting agent, antiblocking agent, wire stripping agent, and so forth. A typical composition contained a surfactant (Nissan Nymeen S220), [(CF3)2CF(CF2CF2)3CH2CH(OH)CH2O]nPO(OH)3-n, and SH200 in water.

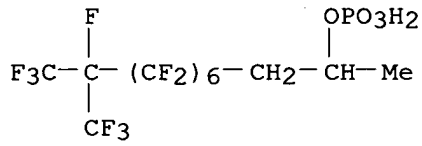
IT 167758-91-0 167758-92-1 167935-92-4 168394-92-1
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(abherent composition containing fluoropolymers and silicones)

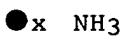
RN 167758-91-0 CAPLUS
CN 1-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate, ammonium salt (9CI) (CA INDEX NAME)





RN 167758-92-1 CAPLUS
CN 2-Undecanol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, dihydrogen phosphate, ammonium salt (9CI) (CA INDEX NAME)

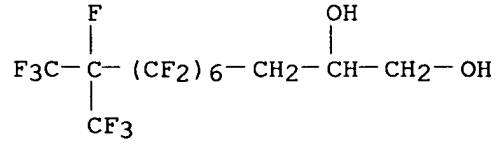




RN 167935-92-4 CAPLUS
CN 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-phosphate (9CI) (CA INDEX NAME)

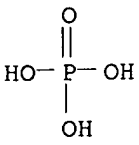
CM 1

CRN 67824-44-6
CMF C12 H7 F19 O2



CM 2

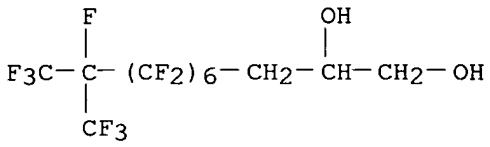
CRN 7664-38-2
CMF H3 O4 P



RN 168394-92-1 CAPLUS
CN 1,2-Undecanediol, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-, 1-phosphate, ammonium salt (9CI) (CA INDEX NAME)

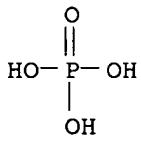
CM 1

CRN 67824-44-6
CMF C12 H7 F19 O2



CM 2

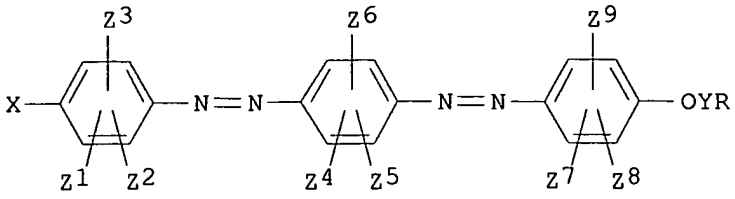
CRN 7664-38-2
CMF H3 O4 P



L4 ANSWER 30 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:746229 CAPLUS
DOCUMENT NUMBER: 123:127835
TITLE: Liquid crystal composition for display device
INVENTOR(S): Kaneko, Masaharu; Hosogai, Hisayo
PATENT ASSIGNEE(S): Mitsubishi Kagaku KK, Japan; Mitsubishi Chemical Corp.
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07126623	A	19950516	JP 1993-274424	19931102
JP 3536322	B2	20040607		
PRIORITY APPLN. INFO.:			JP 1993-274424	19931102
OTHER SOURCE(S):	MARPAT 123:127835			

GI



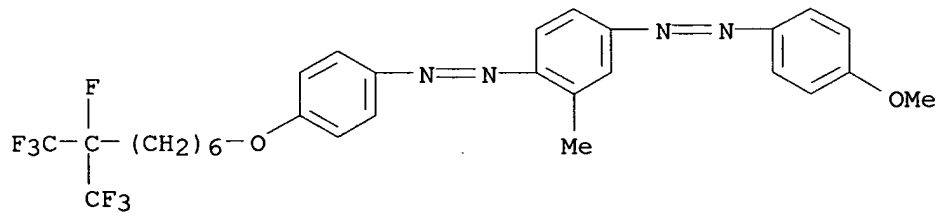
I

AB A liquid crystal composition for a display device showing improved contrast and durability comprises a dichroic dye having the general formula I (R = alkyl substituted by ≥3 F atoms, perfluoroalkoxy, or Cl-substituted perfluoroalkoxy; Y = (CH2)n or CH2CH=CH which may be substituted by halogen atoms; n = 1-8; X = H, alkyl, alkoxy, cycloalkyl, nitro, cyano, acyloxy, aryl, alkylsulfonyl, halogen, a carboxylic acid ester group, or NR1R2 where R1, R2 = H, alkyl, or R1 and R2 together may form a N-containing ring; Z1-9 = H, halogen, Me, methoxy, or Z1 and Z2, Z4 and Z5, or Z7 and Z8 together may form an aliphatic, aromatic, or N-containing aromatic ring).

IT 166598-12-5P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation and use as dichroic dye for liquid-crystal display devices)

RN 166598-12-5 CAPLUS

CN Diazene, [4-[(4-methoxyphenyl)azo]-2-methylphenyl][4-[[7,8,8,8-tetrafluoro-7-(trifluoromethyl)octyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 31 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:215338 CAPLUS

DOCUMENT NUMBER: 118:215338

TITLE: A desiccant composition comprising an alcohol and a fluoroalkane for drying surfaces

INVENTOR(S): Omure, Yukio; Ide, Satoshi; Matsuda, Takahiro; Aoyama, Hirokazu; Seki, Eiji

PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 516029	A1	19921202	EP 1992-108816	19920526
EP 516029	B1	19950405		
R: DE, FR, GB, IT				
KR 207355	B1	19990715	KR 1992-9011	19920527

JP 05154302	A	19930622	JP 1992-136706	19920528
JP 3266936	B2	20020318		
US 5346645	A	19940913	US 1992-889364	19920528

PRIORITY APPLN. INFO.: JP 1991-123803 A 19910528

AB The title composition comprises a C1-4 alc. and a fluoroalkane CnFmH(2n+2)-m [4 ≤ n ≤ 6; (2n - 2) ≤ m ≤ (2n + 2)]. The composition is used between 40° and the b.p. for removing water from glass, metal, plastic, and other surfaces. A composition contained 6% EtOH and 94% FCH2CF2CF2CF3.

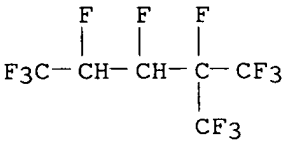
IT 147390-51-0
RL: USES (Uses)
(drying agents, for surfaces)

RN 147390-51-0 CAPLUS

CN Ethanol, mixt. with 1,1,1,2,3,4,5,5,5-nonafluoro-2-(trifluoromethyl)pentane (9CI) (CA INDEX NAME)

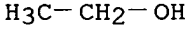
CM 1

CRN 85720-78-1
CMF C6 H2 F12



CM 2

CRN 64-17-5
CMF C2 H6 O



L4 ANSWER 32 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:534126 CAPLUS
DOCUMENT NUMBER: 113:134126
TITLE: Water- and oil-repellent composition for textiles
INVENTOR(S): Amimoto, Yoshio; Enomoto, Takashi; Hayashi, Kazunori
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 6 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 368338	A2	19900516	EP 1989-120887	19891110
EP 368338	A3	19900808		
EP 368338	B1	19950222		
R: DE, FR, GB				
JP 02229879	A	19900912	JP 1988-319130	19881216
JP 2503612	B2	19960605		
US 5242487	A	19930907	US 1992-921973	19920804

PRIORITY APPLN. INFO.: JP 1988-286376 A 19881111
JP 1988-319130 A 19881216
US 1989-433858 B1 19891109

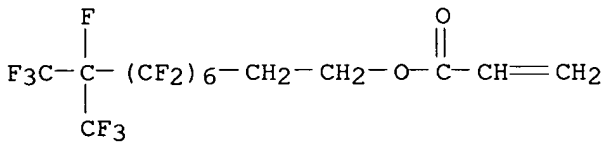
AB Title composition comprises a water and oil repellent having a fluoroalkyl group, and 0.05-7% (based on repellent) compds. selected from glycerol, its ester or ether derivs., and a polyglycerol with m.p. <70°. These compns. impart good oil- and water-repellency to fabrics and have a good soft hand. The glycerol compds. used in these compns. were glycerol, glycerol α-monomethyl ether, glycerol α-monoacetate, and polyglycerol. The repellent was a terpolymer of (CF3)2CF(CF2CF2)nCH2CH2O2CCH:CH2 (n = 3, 4, 5) with C18H37O2CCH:CH2, and CH2:CHCO2CH2CH(OH)CH2Cl.

IT 129401-61-2 129401-62-3 129401-68-9
RL: USES (Uses)
(waterproofing and oilproofing agent, containing glycerol derivs., for textiles)

RN 129401-61-2 CAPLUS
CN 2-Propenoic acid, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl 2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

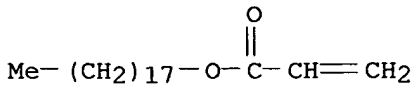
CM 1

CRN 15577-26-1
CMF C14 H7 F19 O2



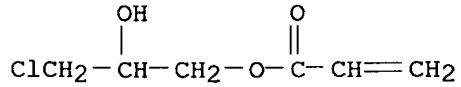
CM 2

CRN 4813-57-4
CMF C21 H40 O2



CM 3

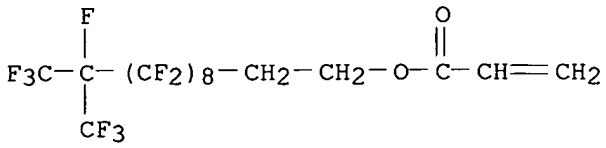
CRN 3326-90-7
CMF C6 H9 Cl O3



RN 129401-62-3 CAPLUS
CN 2-Propenoic acid, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl 2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

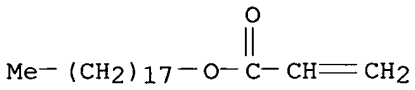
CM 1

CRN 52956-81-7
CMF C16 H7 F23 O2



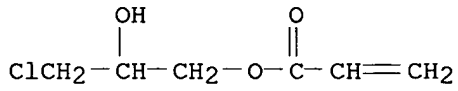
CM 2

CRN 4813-57-4
CMF C21 H40 O2



CM 3

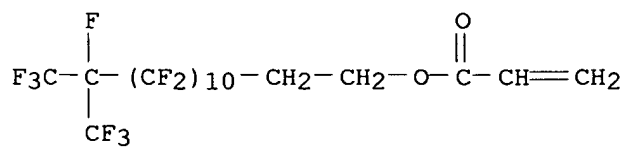
CRN 3326-90-7
CMF C6 H9 Cl O3



RN 129401-68-9 CAPLUS
CN 2-Propenoic acid, 3-chloro-2-hydroxypropyl ester, polymer with octadecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl 2-propenoate (9CI) (CA INDEX NAME)

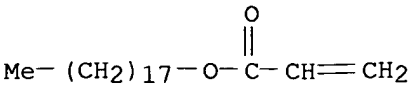
CM 1

CRN 52956-82-8
CMF C18 H7 F27 O2



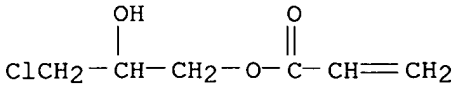
CM 2

CRN 4813-57-4
CMF C21 H40 O2



CM 3

CRN 3326-90-7
CMF C6 H9 Cl O3



L4 ANSWER 33 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1989:76705 CAPLUS
DOCUMENT NUMBER: 110:76705
TITLE: Fluorine-containing resin composition having a low refractive index
INVENTOR(S): Hashimoto, Yutaka; Kamei, Masayuki; Umaba, Toshihiko
PATENT ASSIGNEE(S): Dainippon Ink Chemical Industry Co., Japan
SOURCE: Eur. Pat. Appl., 73 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 243605	A2	19871104	EP 1987-102644	19870225
EP 243605	A3	19890802		
EP 243605	B1	19930616		
R: DE, FR, GB				
JP 62199643	A	19870903	JP 1986-40383	19860227
JP 08011777	B	19960207		
JP 62250047	A	19871030	JP 1986-93226	19860424
JP 08019313	B	19960228		
JP 08211234	A	19960820	JP 1995-217391	19950825
JP 2570217	B2	19970108		

PRIORITY APPLN. INFO.: JP 1986-40383 A 19860227
JP 1986-93226 A 19860424

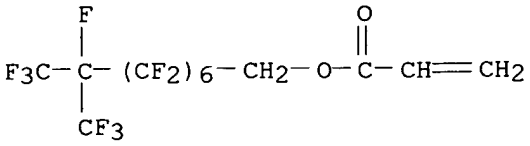
AB The title compns. for optical fibers, giving cured products having n ≤1.44, comprise F-containing (30%) polymers composed of F-containing (meth)acrylates, α,β-ethylenically unsatd. dicarboxylic acid esters, and/or mono(meth)acrylates, and polyfunctional monomer containing ≥2 (meth)acryloyl groups. Thus, a composition comprising 90:5:5 CH2:CHCO2CH2CH2C8F17 (I)-Bu acrylate (II)-Bu fumarate copolymer 50, I 45, II 5, neopentyl glycol diacrylate 1, and 2-hydroxy-2-methyl-1-phenylpropan-1-one 4 parts had viscosity at 25° 8500 cP and n 1.362 and showed scratch-resistant adhesion to PMMA plate. A PMMA optical fiber core was coated with the above composition and UV-cured to give an optical fiber with transmission loss 1160 dB/km.

IT 118588-56-0P
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PREP (Preparation); PROC (Process); USES (Uses)
(manufacture of, for UV-curable claddings for plastic and glass optical fibers)

RN 118588-56-0 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-, polymer with 2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-hexadecafluoro-8-(trifluoromethyl)nonyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

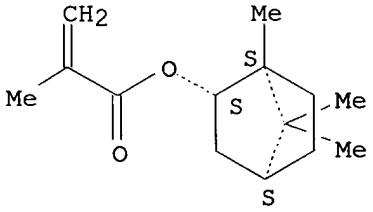
CRN 112902-42-8
CMF C13 H5 F19 O2



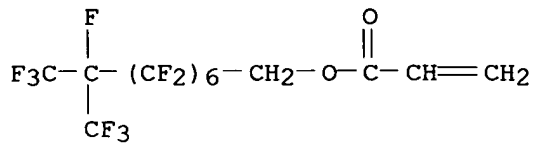
CM 2

CRN 7534-94-3
CMF C14 H22 O2

Relative stereochemistry.



IT 112902-42-8
RL: USES (Uses)
(photocurable fluoropolymer cladding compns. containing, for plastic and glass optical fibers)
RN 112902-42-8 CAPLUS
CN 2-Propenoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-hexadecafluoro-8-(trifluoromethyl)nonyl ester (CA INDEX NAME)



L4 ANSWER 34 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:606740 CAPLUS
DOCUMENT NUMBER: 109:206740
TITLE: Biocide suspension composition containing fluoride surfactants
INVENTOR(S): Minagawa, Fumiyasu; Takeda, Hiroyuki; Maeda, Kazuyuki
PATENT ASSIGNEE(S): Arigaki Yakuhin Kogyo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63068502	A	19880328	JP 1986-213371	19860909
JP 07121842	B	19951225		

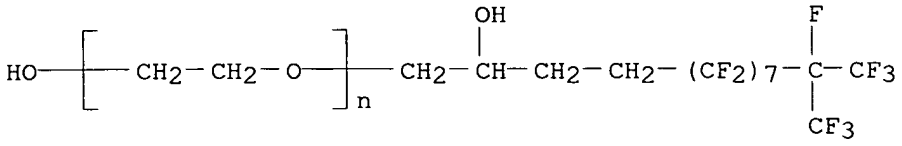
PRIORITY APPLN. INFO.: JP 1986-213371 19860909

AB A water-insol. biocide, which is solid at room temperature, is suspended in an aqueous medium containing fluoride surfactants and water-soluble thickening agents to form a stable suspension. A suspension consisted of thiram 20, thiophanate methyl 20, Unidyne DS-501 0.35, polyoxyethylene polystyrylphenyl ether 0.47, xanthan gum 0.40, and water 59.10 weight%. The preparation was 95% stable at 50° for 7 days.

IT 148919-89-5, Unidyne DS-403
RL: BIOL (Biological study)
(biocide suspension containing, stability in relation to)

RN 148919-89-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]-ω-hydroxy- (CA INDEX NAME)



L4 ANSWER 35 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:152103 CAPLUS
DOCUMENT NUMBER: 108:152103
TITLE: Fluorine-containing water-repellent oil-repellent composition
INVENTOR(S): Ohmori, Akira; Inukai, Hiroshi
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 247489	A2	19871202	EP 1987-107185	19870518
EP 247489	A3	19900530		
EP 247489	B1	19930825		
R: DE, FR, GB				
JP 63099285	A	19880430	JP 1986-216854	19860912
JP 04064634	B	19921015		
JP 63090588	A	19880421	JP 1986-238535	19861006
JP 04076398	B	19921203		
CN 87104448	A	19880224	CN 1987-104448	19870528
CN 1016438	B	19920429		
US 5021501	A	19910604	US 1989-445950	19891211
US 5021527	A	19910604	US 1989-449442	19891211

PRIORITY APPLN. INFO.:
JP 1986-122920 A 19860528
JP 1986-238535 A 19861006
US 1987-50018 B3 19870515

US 1988-165174 B1 19880307
US 1988-211121 B1 19880621

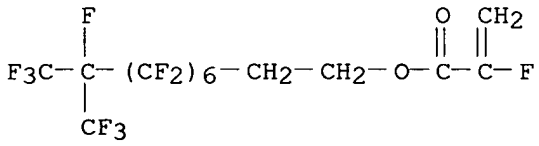
AB Polymers giving tough, adherent, water- and oil-repellent coatings are prepared from the acrylates CH2:C(X)CO2ZRf [Rf = C3-21 fluoroalkyl (optionally containing O atoms); X = F, CFX1X2 (X1, X2 = H, F); Z = C1-3 alkylene, -CH2CH2N(R)SO2 (R = alkyl), or -CH2CH(OR1)CH2- (R1 = H, Ac)]. Heating CH2:CFCO2CH2CF(CF3)OC3F7 50, glycidyl methacrylate 4, AIBN 0.5, and m-C6H4(CF3)2 80 g at 50° for 30 h gave 52 g polymer with intrinsic viscosity [m-C6H4(CF3)2, 30°] 1.12. A 30% m-C6H4(CF3)2 solution of this polymer was diluted to 0.5% with C2Cl3F3, brushed on a 3-mm, polyurethane-coated nonwoven fabric, and heated 30 min at 80° to give a coating with contact angle with water and hexadecane 110 and 74° before, and 108 and 52, resp., after, flexing.

IT 113723-01-6 113723-02-7 113723-08-3
RL: USES (Uses)
(oil- and water-repellent finishes, tough and adherent, for textiles)

RN 113723-01-6 CAPLUS
CN 2-Propenoic acid, 2-fluoro-, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, polymer with methyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

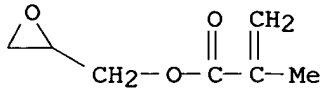
CM 1

CRN 113723-00-5
CMF C14 H6 F20 O2



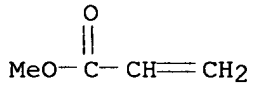
CM 2

CRN 106-91-2
CMF C7 H10 O3



CM 3

CRN 96-33-3
CMF C4 H6 O2

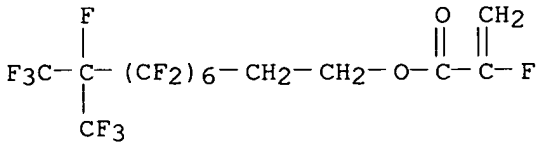


RN 113723-02-7 CAPLUS
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl 2-fluoro-2-propenoate, methyl 2-propenoate and

octadecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

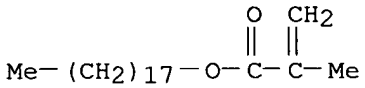
CM 1

CRN 113723-00-5
CMF C14 H6 F20 O2



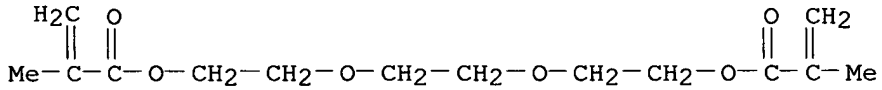
CM 2

CRN 32360-05-7
CMF C22 H42 O2



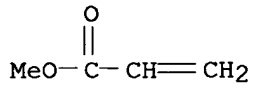
CM 3

CRN 109-16-0
CMF C14 H22 O6



CM 4

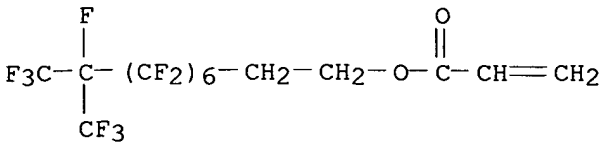
CRN 96-33-3
CMF C4 H6 O2



RN 113723-08-3 CAPLUS
CN 2-Propenoic acid, 2-chloro-, cyclohexyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl 2-propenoate and oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

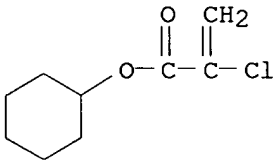
CM 1

CRN 15577-26-1
CMF C14 H7 F19 O2



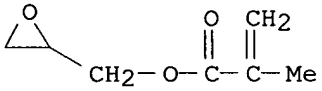
CM 2

CRN 2177-72-2
CMF C9 H13 Cl O2



CM 3

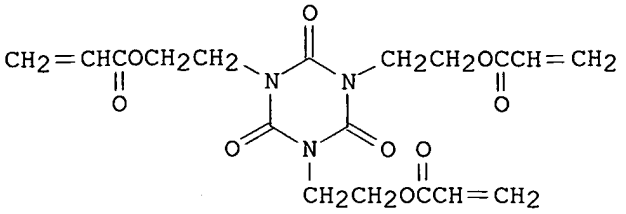
CRN 106-91-2
CMF C7 H10 O3



L4 ANSWER 36 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1986:554811 CAPLUS
DOCUMENT NUMBER: 105:154811
ORIGINAL REFERENCE NO.: 105:24953a,24956a
TITLE: Film-forming composition and film formation
INVENTOR(S): Hashimoto, Yutaka; Kamei, Masayuki
PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61069813	A	19860410	JP 1984-190507	19840913
JP 05010393	B	19930209		

PRIORITY APPLN. INFO.: JP 1984-190507 19840913
GI



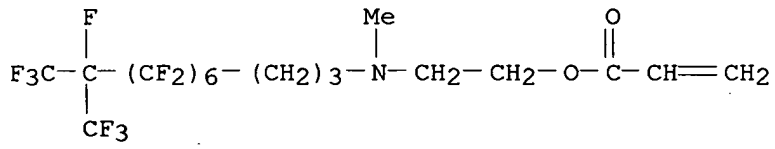
II

AB Film-forming compns. polymerizable with UV light or electron beams comprise 1 part RZaZ1O2CCR1:CH2 [R = C4-20 perfluoroalkyl; Z = SO2NR2, CONR2, CH2CH2SO2NR2, O-p-C6H4SO2NR2, O-p-C6H4CONR2, CH2CH2SCH2CH2CONR2, CH2CH2NR2, CH2CHMeNR2, (CH2)3NR2; R1 = H, Me, halo; R2 = H, C1-12 alkyl, ether group-containing alkyl; a = 0, 1; Z1 = (CH2)n; n = 2-4], 4-10,000 parts hydrocarbyl acrylates, and 0.005-5% (per total composition) oil-soluble F-containing surfactants, giving films with good hardness and corrosion resistance. Thus, a mixture of C8F17SO2NEtCH2CH2O2CCH:CH2 (I) 0.050, N,N',N''-tris(2-hydroxyethyl)isocyanurate triacrylate 96.945, 3:7 C8F17SO2NPrCH2CH2O2CCH:CH2-H2C:CMeCO2(CH2)15CHMe2 copolymer (mol. weight 4000) 0.005, and benzophenone 3.000 parts was coated on steel, dried, and cured in UV light to give a film with surface hardness >6H, contact angle 72°, and good corrosion resistance, vs. 3H, 42, and poor, resp., without I.

IT 104595-34-8D, polymers
RL: USES (Uses)
(for corrosion-resistant coatings)

RN 104595-34-8 CAPLUS

CN 2-Propenoic acid, 2-[[4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)undecyl]methylamino]ethyl ester (CA INDEX NAME)



L4 ANSWER 37 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1986:543602 CAPLUS
DOCUMENT NUMBER: 105:143602
ORIGINAL REFERENCE NO.: 105:23005a,23008a
TITLE: Etchant composition
INVENTOR(S): Fujii, Tsuneo; Deguchi, Takayuki; Tamaru, Shinji
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 182306	A2	19860528	EP 1985-114526	19851115
EP 182306	A3	19880427		
EP 182306	B1	19910724		
R: DE, FR, GB				
JP 61270381	A	19861129	JP 1985-259205	19851118

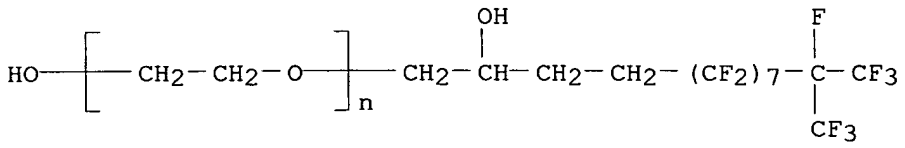
JP 63045461	B	19880909			
US 4725375	A	19880216	US 1986-908943		19860916
PRIORITY APPLN. INFO.:			JP 1984-242648	A	19841117
			US 1985-798407	A2	19851115

AB An etchant for etching a Cr or Cr oxide layer (e.g., in the preparation of masks for transferring patterns to semiconductor wafers) is composed of a Ce(IV) salt, a nonionic or anionic F-containing surfactant, H2O, and, optionally, ≥1 of HClO4, HOAc, H2SO4, HNO3, HCl, and their salts. The etchant can homogeneously etch a resist pattern having both wide and narrow gaps on a Cr or Cr oxide layer.

IT 148919-89-5
RL: USES (Uses)
(etchant containing, for etching chromium or chromium oxide for mask preparation)

RN 148919-89-5 CAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-octadecafluoro-2-hydroxy-12-(trifluoromethyl)tridecyl]-ω-hydroxy- (CA INDEX NAME)



L4 ANSWER 38 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	1986:150604 CAPLUS
DOCUMENT NUMBER:	104:150604
ORIGINAL REFERENCE NO.:	104:23849a,23852a
TITLE:	Fluoroelastomer composition
INVENTOR(S):	Kawachi, Shoji; Furukawa, Yasuyoshi; Ueta, Yutaka; Tanaka, Hiroyuki; Hirai, Masaru
PATENT ASSIGNEE(S):	Daikin Industries, Ltd., Japan
SOURCE:	Eur. Pat. Appl., 24 pp. CODEN: EPXXDW
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

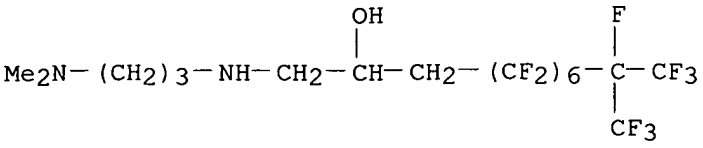
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 168033	A2	19860115	EP 1985-108519		19850709
EP 168033	A3	19870325			
EP 168033	B1	19901003			
R: DE, FR, GB, IT					
JP 61021149	A	19860129	JP 1984-142985		19840709
JP 01016431	B	19890324			
US 5041480	A	19910820	US 1985-753065		19850709
PRIORITY APPLN. INFO.:			JP 1984-142985	A	19840709

AB Mixts. of fluoro rubbers, F-containing surfactants, and optionally vulcanizing agents have good processability and mold release. Thus, a mixture of C3F6-CH2:CF2 copolymer (Daiel G-755) 100, carbon black 20, MgO 3, Ca(OH)2 6, and F-containing surfactant 1 part was vulcanized to O-rings at 160° and >35 kg/cm2. The O-rings had good mold release and freedom frm mold contamination, compared with poor with no surfactant.

IT 73353-26-1 78346-63-1
RL: USES (Uses)
(mold release agents, for fluoro rubbers)

RN 73353-26-1 CAPLUS

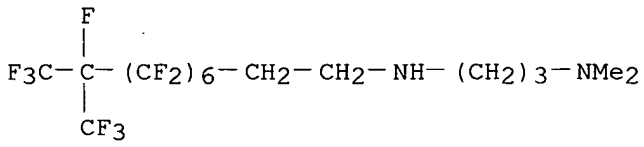
CN 2-Undecanol, 1-[[3-(dimethylamino)propyl]amino]-
4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)-
(CA INDEX NAME)



RN 78346-63-1 CAPLUS
CN 1,3-Propanediamine, N'-[3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl]-N,N-dimethyl-, monoacetate (9CI) (CA INDEX NAME)

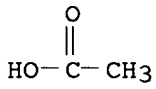
CM 1

CRN 74130-91-9
CMF C16 H17 F19 N2



CM 2

CRN 64-19-7
CMF C2 H4 O2



L4 ANSWER 39 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1985:213758 CAPLUS
DOCUMENT NUMBER: 102:213758
ORIGINAL REFERENCE NO.: 102:33371a,33374a
TITLE: Etchant composition
INVENTOR(S): Naonori, Enjo; Koji, Tamura
PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 133584	A1	19850227	EP 1984-109546	19840810
EP 133584	B1	19880629		
R: DE, FR, GB				
JP 60039176	A	19850228	JP 1983-147213	19830810

JP 62019509	B	19870428			
US 4582624	A	19860415	US 1984-639185		19840809
PRIORITY APPLN. INFO.:			JP 1983-147213	A	19830810

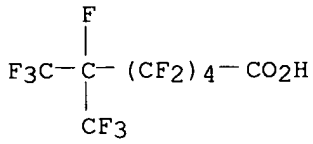
OTHER SOURCE(S): MARPAT 102:213758

AB An aqueous etchant composition intended for use with an oxidized Si film in semiconductor technol. comprises HF, NH4F, and a surfactant (0.0001-1 weight %) consisting of F-containing carboxylic acids and their salts. The F-containing carboxylic acid is of the formula RfCOOH, wherein Rf is a F-containing C3-20 hydrocarbon group. If a salt is used, the base has the formula NR1R2R3, wherein R1, R2, and R3 are each H, C1-C5 alkyl or hydroxy C1-C5 alkyl. For example, H(CF2)6COOH surfactant was added to 50% HF, 40% aqueous NH4, and H2O to produce an etchant with decreased surface tension, does not cause clouding or turbidity, or form sediments.

IT 19742-57-5
RL: USES (Uses)
(surfactant, in aqueous ammonium fluoride-hydrogen fluoride etchant for semiconductor technol.)

RN 19742-57-5 CAPLUS

CN Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, ammonium salt (9CI) (CA INDEX NAME)



L4 ANSWER 40 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1980:496173 CAPLUS

DOCUMENT NUMBER: 93:96173

ORIGINAL REFERENCE NO.: 93:15439a,15442a

TITLE: Epoxy resin composition

INVENTOR(S): Ohmori, Akira

PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan

SOURCE: Ger. Offen., 42 pp.
CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

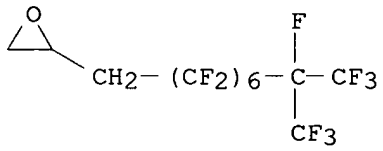
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
DE 2941473	A1	19800424	DE 1979-2941473		19791012
DE 2941473	C2	19820624			
JP 55054324	A	19800421	JP 1978-126505		19781014
JP 57011572	B	19820305			
JP 55054325	A	19800421	JP 1978-126507		19781014
JP 57011573	B	19820305			
US 4284746	A	19810818	US 1979-84436		19791012
FR 2438670	A1	19800509	FR 1979-25607		19791015
FR 2438670	B1	19850927			
GB 2032925	A	19800514	GB 1979-35665		19791015
GB 2032925	B	19830112			
PRIORITY APPLN. INFO.:			JP 1978-126505	A	19781014

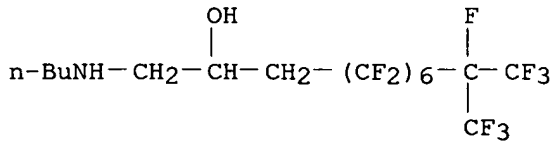
AB Hardening mixts. of epoxy resins and RNHCH2CH(OH)CH2(CF2)nCF(CF3)2 (I) (R = Bu, H2NCH2CH2, p-H2NC6H4CH2C6H4, H(NHCH2CH2)4; n = 0-8) with amines or anhydrides gives products resistant to water, oils, and staining. Thus, Epikote 828 [25068-38-6] 10, I (R = Bu, n = 6) [74276-06-5] 0.2, and EtOH 50 parts are heated at 50-60° and the product is cured with 7 phr H2NCH2CH2NH2. The contact angles of the hardened resin with water and C16H34 are 98° and 52°, resp., compared with 71° and <10°, resp., in the absence of I.

IT 41925-33-1 74276-06-5 74276-07-6
74276-08-7 74276-09-8 74276-10-1
74276-11-2 74276-12-3 74276-13-4
74276-14-5 74276-15-6 74276-16-7
74276-17-8 74276-18-9 74276-19-0
74276-20-3 74276-21-4 74276-22-5
74276-23-6 74276-24-7
RL: USES (Uses)
(oil- and waterproofing agents, for epoxy resins)

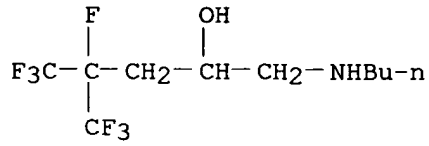
RN 41925-33-1 CAPLUS
CN Oxirane, 2-[2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-hexadecafluoro-8-(trifluoromethyl)nonyl]- (CA INDEX NAME)



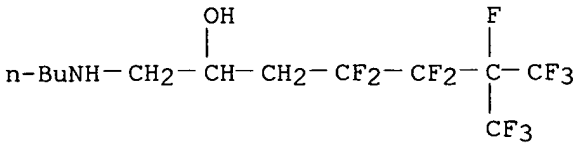
RN 74276-06-5 CAPLUS
CN 2-Undecanol, 1-(butylamino)-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- (CA INDEX NAME)



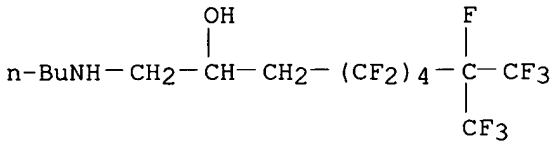
RN 74276-07-6 CAPLUS
CN 2-Pentanol, 1-(butylamino)-4,5,5,5-tetrafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



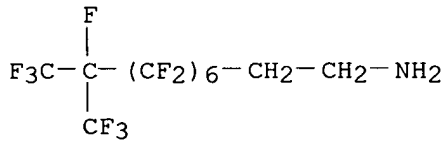
RN 74276-08-7 CAPLUS
CN 2-Heptanol, 1-(butylamino)-4,4,5,5,6,7,7,7-octafluoro-6-(trifluoromethyl)- (CA INDEX NAME)



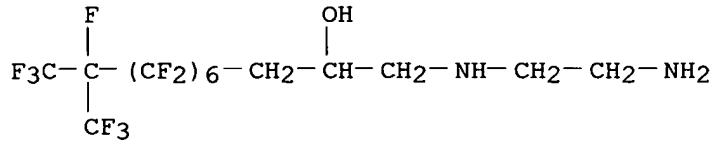
RN 74276-09-8 CAPLUS
CN 2-Nonanol, 1-(butylamino)-4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)- (CA INDEX NAME)



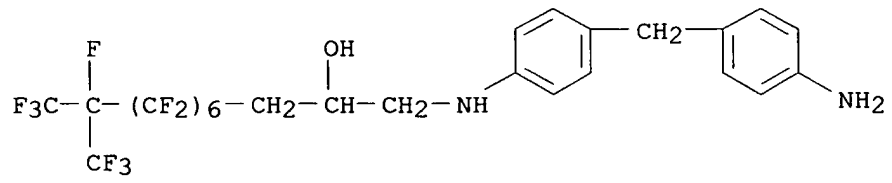
RN 74276-10-1 CAPLUS
CN 1-Decanamine, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)- (CA INDEX NAME)



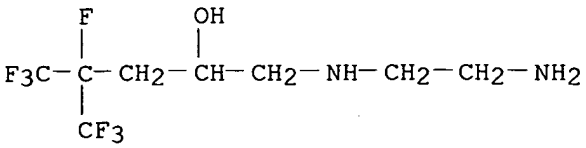
RN 74276-11-2 CAPLUS
CN 2-Undecanol, 1-[(2-aminoethyl)amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- (CA INDEX NAME)



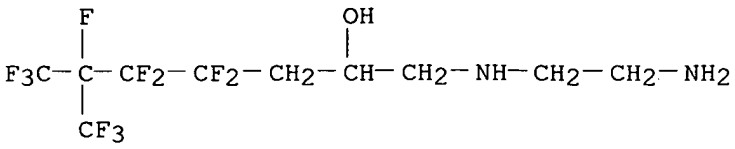
RN 74276-12-3 CAPLUS
CN 2-Undecanol, 1-[[4-[(4-aminophenyl)methyl]phenyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- (CA INDEX NAME)



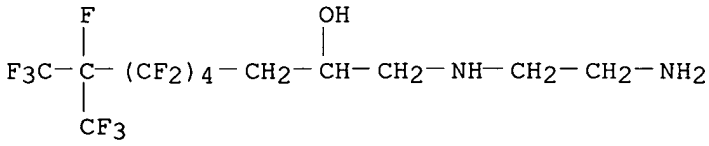
RN 74276-13-4 CAPLUS
CN 2-Pentanol, 1-[(2-aminoethyl)amino]-4,5,5,5-tetrafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



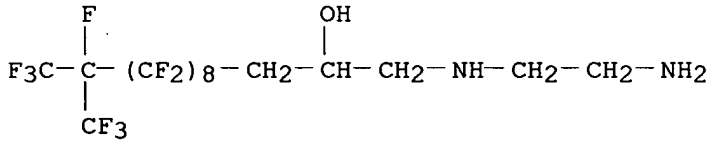
RN 74276-14-5 CAPLUS
CN 2-Heptanol, 1-[(2-aminoethyl)amino]-4,4,5,5,6,7,7,7-octafluoro-6-(trifluoromethyl)- (CA INDEX NAME)



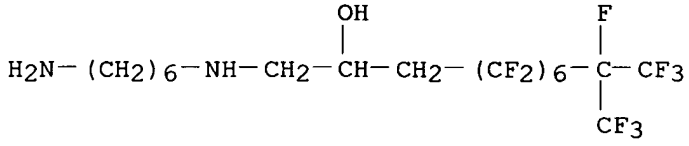
RN 74276-15-6 CAPLUS
CN 2-Nonanol, 1-[(2-aminoethyl)amino]-4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-8-(trifluoromethyl)- (CA INDEX NAME)



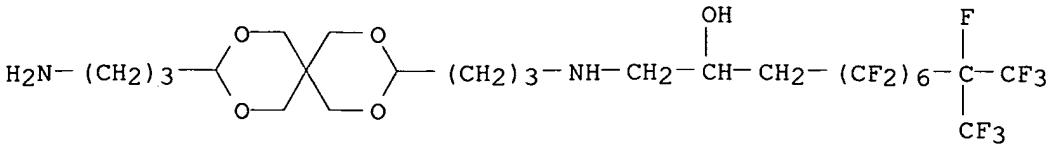
RN 74276-16-7 CAPLUS
CN 2-Tridecanol, 1-[(2-aminoethyl)amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-eicosafluoro-12-(trifluoromethyl)- (CA INDEX NAME)



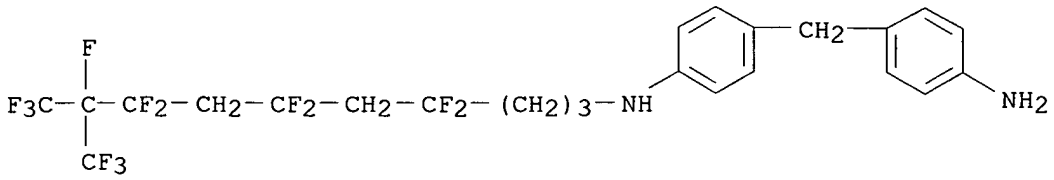
RN 74276-17-8 CAPLUS
CN 2-Undecanol, 1-[(6-aminohexyl)amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- (CA INDEX NAME)



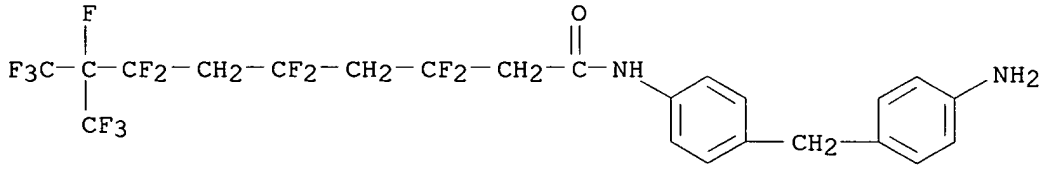
RN 74276-18-9 CAPLUS
CN 2-Undecanol, 1-[[3-[9-(3-aminopropyl)-2,4,8,10-tetraoxaspiro[5.5]undec-3-yl]propyl]amino]-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 74276-19-0 CAPLUS
CN Benzenamine, 4-[(4-aminophenyl)methyl]-N-[4,4,6,6,8,8,9,10,10,10-decafluoro-9-(trifluoromethyl)decyl]- (CA INDEX NAME)



RN 74276-20-3 CAPLUS
CN Nonanamide, N-[4-[(4-aminophenyl)methyl]phenyl]-3,3,5,5,7,7,8,9,9,9-decafluoro-8-(trifluoromethyl)- (CA INDEX NAME)



RN 74276-21-4 CAPLUS
CN 3,6,9,12-Tetraazatricosan-14-ol, 1-amino-16,16,17,17,18,18,19,19,20,20,21,21,22,23,23,23-hexadecafluoro-22-(trifluoromethyl)- (9CI) (CA INDEX NAME)

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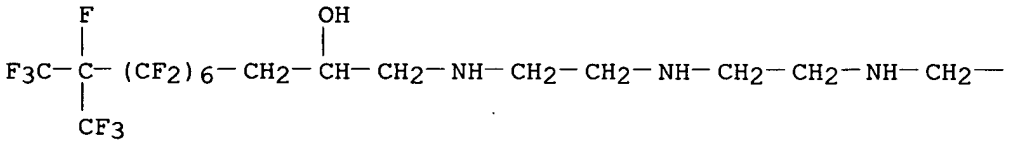
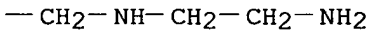
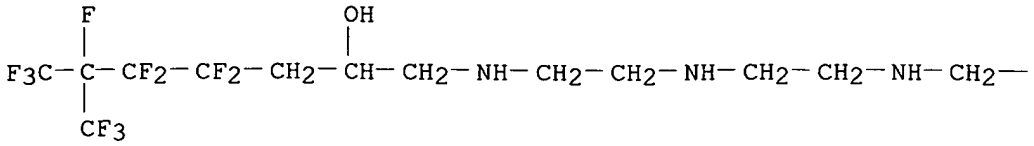


PAGE 1-B

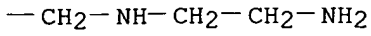


RN 74276-22-5 CAPLUS
CN 3,6,9,12-Tetraazanonadecan-14-ol, 1-amino-16,16,17,17,18,19,19,19-octafluoro-18-(trifluoromethyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

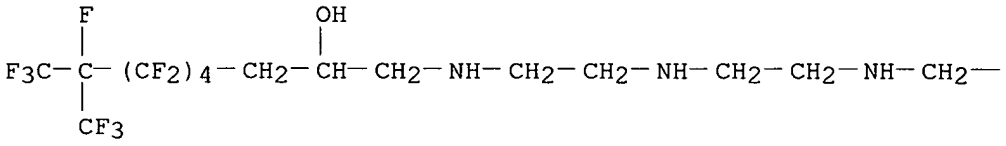


PAGE 1-B

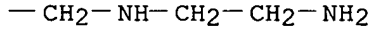


RN 74276-23-6 CAPLUS
CN 3,6,9,12-Tetraazaheneicosan-14-ol, 1-amino-16,16,17,17,18,18,19,19,20,21,2
1,21-dodecafluoro-20-(trifluoromethyl)- (9CI) (CA INDEX NAME)

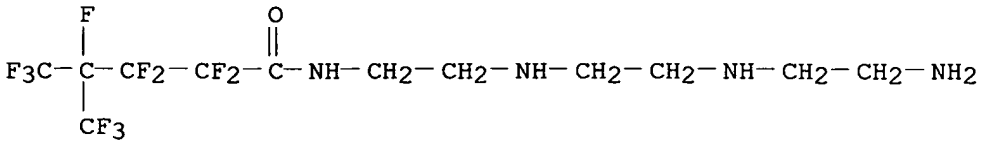
PAGE 1-A



PAGE 1-B



RN 74276-24-7 CAPLUS
CN Pentanamide, N-[2-[[2-[(2-aminoethyl)amino]ethyl]amino]ethyl]-
2,2,3,3,4,5,5,5-octafluoro-4-(trifluoromethyl)- (CA INDEX NAME)



L4 ANSWER 41 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1980:447875 CAPLUS
DOCUMENT NUMBER: 93:47875
ORIGINAL REFERENCE NO.: 93:7935a,7938a
TITLE: Epoxy resin composition
INVENTOR(S): Ohmori, Akira
PATENT ASSIGNEE(S): Daikin Kogyo Co., Ltd., Japan
SOURCE: Ger. Offen., 19 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

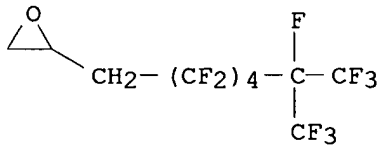
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2939550	A1	19800417	DE 1979-2939550	19790928
DE 2939550	C2	19820616		
JP 55045774	A	19800331	JP 1978-120670	19780929
JP 55043015	B	19801104		
US 4267302	A	19810512	US 1979-78827	19790925
FR 2437423	A1	19800425	FR 1979-24300	19790928
FR 2437423	B1	19850823		
GB 2031899	A	19800430	GB 1979-33796	19790928
GB 2031899	B	19821124		

PRIORITY APPLN. INFO.: JP 1978-120670 A 19780929

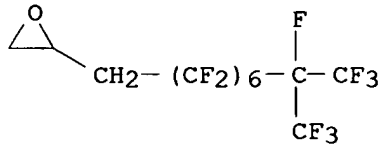
AB Polyepoxides such as 1,4-butanediol diglycidyl ether [2425-79-8] or 4,4,5,5,6,6,7,7-octafluoro-1,9-decadiene diepoxide (I) [791-22-0] are mixed with fluoroalkylepoxides and curing agents to give resins with good resistance to oil, water, and soiling. Thus, 100 parts I containing 5 parts (CF3)2CF(CF2)8CH2CH:CH2 epoxide [47795-34-6] and 3 parts BF3.H2NEt are hardened on Al for 2 h at 150° to five a resin with contact angle for H20 and C16H34 112 and 70°, resp.

IT 24564-77-0 41925-33-1 47795-34-6
54009-81-3 74328-58-8
RL: USES (Uses)
(epoxy resins containing, oil- and water-resistant)

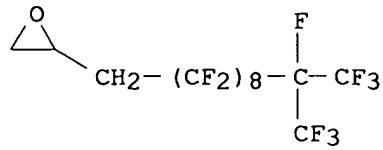
RN 24564-77-0 CAPLUS
CN Oxirane, [2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptyl]- (9CI) (CA INDEX NAME)



RN 41925-33-1 CAPLUS
CN Oxirane, 2-[2,2,3,3,4,4,5,5,6,6,7,7,8,9,9,9-hexadecafluoro-8-(trifluoromethyl)nonyl]- (CA INDEX NAME)

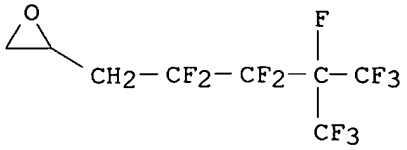


RN 47795-34-6 CAPLUS
CN Oxirane, [2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-eicosafluoro-10-(trifluoromethyl)undecyl]- (9CI) (CA INDEX NAME)

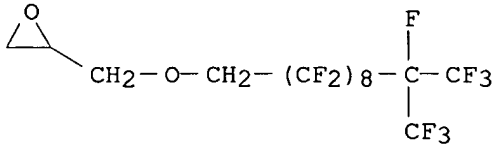


RN 54009-81-3 CAPLUS
CN Oxirane, 2-[2,2,3,3,4,5,5,5-octafluoro-4-(trifluoromethyl)pentyl]- (CA

INDEX NAME)



RN 74328-58-8 CAPLUS
CN Oxirane, [[[2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-eicosafluoro-10-(trifluoromethyl)undecyl]oxy]methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 42 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:166200 CAPLUS
DOCUMENT NUMBER: 84:166200
ORIGINAL REFERENCE NO.: 84:26987a,26990a
TITLE: Oil and water repellent composition
INVENTOR(S): Kirimoto, Kazusuke; Hayashi, Takao
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
SOURCE: U. S. Publ. Pat. Appl. B, 6 pp.
CODEN: USXXDP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 470576	I5	19760224	US 1974-470576	19740516
US 3997507	A	19761214		

PRIORITY APPLN. INFO.: US 1972-291335 A2 19720922

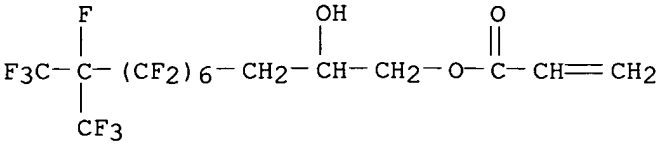
AB Oil-and water-repellent compns., providing improved oil, water, and stain repellency without any adverse effect on the hand of the fabric, are prepared from a copolymer of ≥25% fluoroalkyl monomer and an alkyl vinyl ether, CH2:CHOR (where R = a halo substituted C1-7 alkyl group). Thus, an oil- and water-repellent composition was prepared by dissolving 1 g of a copolymer [57069-60-0] prepared from CH2:CHCO2(CH2)3(CF2)6CF(CF3)2 65, vinyl chloride 28, and bromomethyl vinyl ether 7% in 99 g of a solvent consisting of 15% CH2FCCl3 and 85% MeCCl3. A 65:35 polyester-cotton fabric was dipped in the copolymer solution for 2 min, squeezed, and dried 30 min at room temperature The treated fabric had an excellent hand with high ratings of oil, water, and stain repellency.

IT 52856-72-1 57069-60-0
RL: USES (Uses)
(oilproofing and waterproofing compns., for textiles)

RN 52856-72-1 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl ester, polymer with chloroethene and (2-chloroethoxy)ethene (9CI) (CA INDEX NAME)

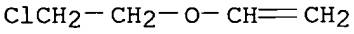
CM 1

CRN 24407-09-8
CMF C15 H9 F19 O3



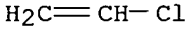
CM 2

CRN 110-75-8
CMF C4 H7 Cl O



CM 3

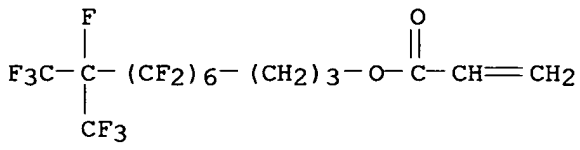
CRN 75-01-4
CMF C2 H3 Cl



RN 57069-60-0 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)undecyl ester, polymer with (bromomethoxy)ethene and chloroethene (9CI) (CA INDEX NAME)

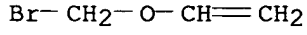
CM 1

CRN 52901-82-3
CMF C15 H9 F19 O2



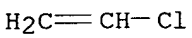
CM 2

CRN 52856-67-4
CMF C3 H5 Br O



CM 3

CRN 75-01-4
CMF C2 H3 Cl



L4 ANSWER 43 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:595145 CAPLUS
DOCUMENT NUMBER: 83:195145
ORIGINAL REFERENCE NO.: 83:30713a,30716a
TITLE: Water- and oil-repellent composition for textiles
INVENTOR(S): Kirimoto, Kazusuke; Hayashi, Takao
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan
SOURCE: Jpn. Tokkyo Koho, 8 pp.
CODEN: JAXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 49045758	B	19741205	JP 1969-33249	19690501
PRIORITY APPLN. INFO.:			JP 1969-33249	19690501

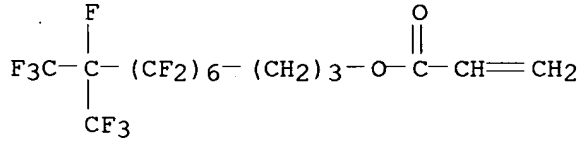
AB The title composition, prepared from a copolymer containing a monomer having fluoroalkyl group, a comonomer CH2=CHOR (R = C1-3 haloalkyl), and vinyl chloride, is used for water- and oil-resistant finishes, with added advantages of improved stain-proofness and no impairment to the hand. Thus, a cotton-polyester fabric is immersed 2 min in a solution of 7:65:28 bromomethyl vinyl ether-4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)undecyl acrylate-vinyl chloride polymer [57069-60-0] in 15:85 C2Cl3F-CH3CCl3, and dried for 30 min at room temperature The treated fabric showed good softness with satisfactory water- and oil-repellency.

IT 57069-60-0
RL: USES (Uses)
(oil- and water-repellents, for textiles)

RN 57069-60-0 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-10-(trifluoromethyl)undecyl ester, polymer with (bromomethoxy)ethene and chloroethene (9CI) (CA INDEX NAME)

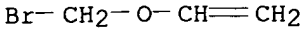
CM 1

CRN 52901-82-3
CMF C15 H9 F19 O2



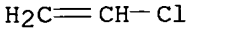
CM 2

CRN 52856-67-4
CMF C3 H5 Br O



CM 3

CRN 75-01-4
CMF C2 H3 Cl



L4 ANSWER 44 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:534506 CAPLUS
DOCUMENT NUMBER: 83:134506
ORIGINAL REFERENCE NO.: 83:21150h,21151a
TITLE: Film-forming fire fighting composition
INVENTOR(S): Chiesa, Peter J., Jr.
PATENT ASSIGNEE(S): National Foam System, Inc.
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 13
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3849315	A	19741119	US 1972-254404	19720518
JP 49025796	A	19740307	JP 1972-86735	19720831
JP 52033920	B	19770831		
AU 7355172	A	19741107	AU 1973-55172	19730503
GB 1431982	A	19760414	GB 1973-23548	19730517
CA 994539	A1	19760810	CA 1973-171787	19730518
US 3957657	A	19760518	US 1973-369584	19730613
US 4038195	A	19770726	US 1974-525175	19741119
US 4060132	A	19771129	US 1975-557757	19750312
US 4060489	A	19771129	US 1976-670252	19760325
US 4149599	A	19790417	US 1977-808462	19770621
US 4387032	A	19830607	US 1980-214260	19801208
PRIORITY APPLN. INFO.:			US 1971-131763 A2	19710406
			US 1972-254404 A	19720518
			US 1972-307479 A	19721117
			US 1973-369584 A	19730613
			US 1974-434544 A	19740118
			US 1974-525175 A2	19741119
			US 1975-557757 A2	19750312
			US 1976-670252 A2	19760325
			US 1977-808462 A2	19770621
			US 1979-17858 A2	19790306

GI For diagram(s), see printed CA Issue.

AB Aqueous foam film-forming fire-fighting compns. based on mixts. of fluorocarbons and siloxane surfactants in amts. giving a surface tension of ≤19 dynes/cm, are improved for subsurface introduction into buring hydrocarbons by substitution of ≥40% with a surfactant containing a hydrophilic moiety in amts. ≥80% than the lipophilic moiety. Especially desirable compds. are imidazolines containing quaternary ammonium hydroxides having 2 short carboxylated chains or di-Na Na octyliminodipropionate. Thus, 55 g (CF3)2CF(CF2)4CO2H.EtNH2 [

54785-06-7], which may contain small amts. of similar compds. containing 2, 6, and 8 CF2 groups; 128 g of a 40% 1:1 H2O-iso-PrOH solution of Me3SiO(SiMeRO)3SiMe3 [R = (CH2)3OCH2CH(OH)CH2NMeC2H4SO3Na] [54785-07-8], which may contain small amts. of similar compds. containing 2, 4, and 5 SiMeRO groups; 400 ml of a 48% aqueous solution of I [54849-16-0]; 215 ml of a 10% aqueous solution of a Me2N(CH2)3HN2 [109-55-7] condensate with a 3:1 molar ethylene-maleic anhydride copolymer, m. 235°, viscosity of a 2% aqueous solution 7 cP; 340 ml H(OC2H4)2OBu; 20 g Tris; and H2O to make 1 gal. are mixed to form a fire-fighting concentrate which can be stored for months and which is prepared for use by mixing with 16 2/3 times its volume of water (including sea water) and sufficient air to foam with an expansion of 3-6. A similar composition containing Na nitrilotriacetate [10042-84-9] gives better results when diluted with sea water.

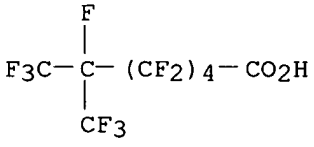
IT 54785-06-7
RL: USES (Uses)
(fire-extinguishing compns. containing)

RN 54785-06-7 CAPLUS

CN Heptanoic acid, 2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)-, compd. with ethanamine (1:1) (9CI) (CA INDEX NAME)

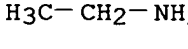
CM 1

CRN 15166-06-0
CMF C8 H F15 O2



CM 2

CRN 75-04-7
CMF C2 H7 N



L4 ANSWER 45 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:	1975:444691 CAPLUS
DOCUMENT NUMBER:	83:44691
ORIGINAL REFERENCE NO.:	83:7083a,7086a
TITLE:	Oil- and water-repellent composition of polymers of fluoroalkyl monomers and diacetone acrylamide or diacetone methacrylamide
INVENTOR(S):	Hayashi, Takao; Kojima, Hiroaki
PATENT ASSIGNEE(S):	Asahi Glass Co., Ltd., Japan
SOURCE:	U.S., 9 pp. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

US 3838104 A 19740924 US 1972-290984 19720921
PRIORITY APPLN. INFO.: US 1972-290984 A 19720921

AB Textiles were given oilproof waterproof finishes, which were durable when cured at relatively low temps. and did not impair textile softness, by treating with a polymer containing ≥25% fluoroalkyl compound and 0.2-20% diacetoneacrylamide, diacetonemethacrylamide, or their hydroxymethyl derivs. An emulsion polymerization was conducted with CF3(CF2)7CH2CH2OCOC(CH3):CH2 3, vinyl chloride 2.5, and diacetoneacrylamide 0.2 g in a 100 ml glass ampule at 55° for 12 hr to produce 20.1 weight% polymer [52856-87-8] which was diluted with water to produce a solution with 0.4 weight% concentration A polyester fabric dipped in the emulsion was squeezed to 70% saturation, dried 3 min at 100°, and heated 4 min at 150° to give a fabric with water repellency 100 and oil repellency 130 which dropped to 80 and 100 resp., after 5 dry cleaning treatments.

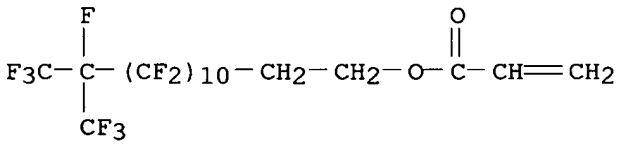
IT 55705-42-5 55705-45-8 55705-47-0
RL: USES (Uses)
(oilproofing and waterproofing agents, for textiles)

RN 55705-42-5 CAPLUS

CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester, polymer with chloroethane, N-(1,1-dimethyl-3-oxobutyl)-2-methyl-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl 2-propenoate (9CI) (CA INDEX NAME)

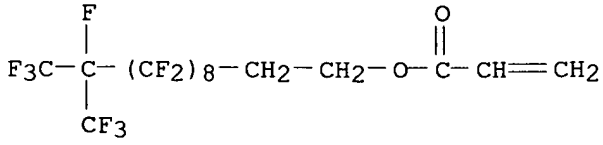
CM 1

CRN 52956-82-8
CMF C18 H7 F27 O2



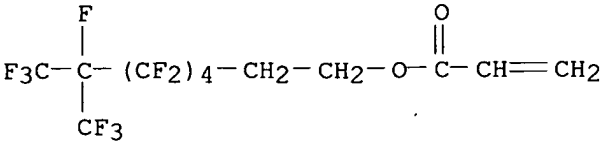
CM 2

CRN 52956-81-7
CMF C16 H7 F23 O2



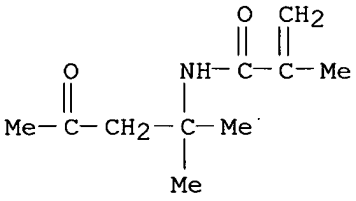
CM 3

CRN 50836-65-2
CMF C12 H7 F15 O2



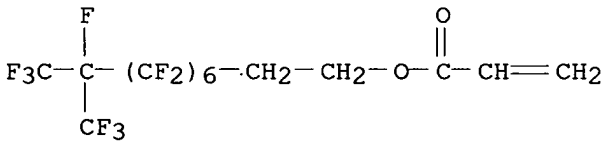
CM 4

CRN 22029-67-0
CMF C10 H17 N O2



CM 5

CRN 15577-26-1
CMF C14 H7 F19 O2



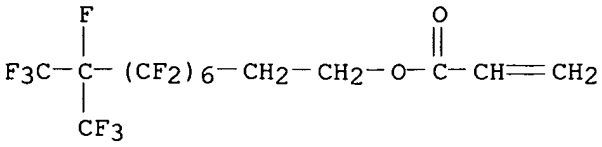
CM 6

CRN 75-01-4
CMF C2 H3 Cl

RN 55705-45-8 CAPLUS
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl ester, polymer with chloroethene and N-(1,1-dimethyl-3-oxobutyl)-2-propenamide (9CI) (CA INDEX NAME)

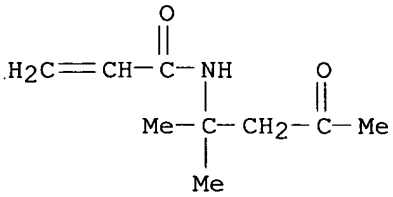
CM 1

CRN 15577-26-1
CMF C14 H7 F19 O2



CM 2

CRN 2873-97-4
CMF C9 H15 N O2



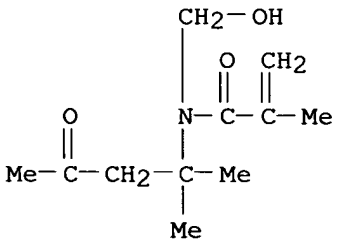
CM 3

CRN 75-01-4
CMF C2 H3 Cl

RN 55705-47-0 CAPLUS
CN 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,8,8,8-dodecafluoro-7-(trifluoromethyl)octyl ester, polymer with chloroethene, N-(1,1-dimethyl-3-oxobutyl)-N-(hydroxymethyl)-2-methyl-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-eicosafluoro-11-(trifluoromethyl)dodecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluoro-9-(trifluoromethyl)decyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,14,14,14-tetracosafluoro-13-(trifluoromethyl)tetradecyl 2-propenoate (9CI) (CA INDEX NAME)

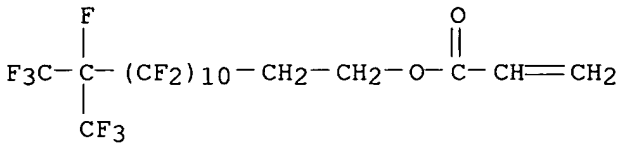
CM 1

CRN 54175-56-3
CMF C11 H19 N O3



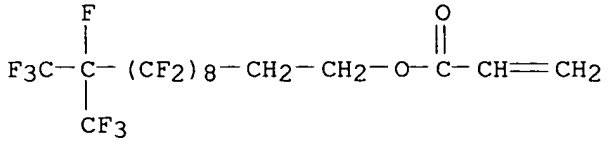
CM 2

CRN 52956-82-8
CMF C18 H7 F27 O2



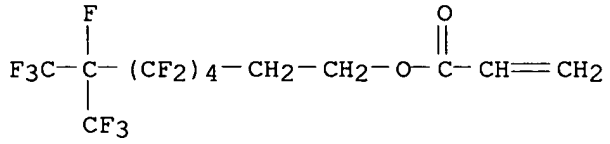
CM 3

CRN 52956-81-7
CMF C16 H7 F23 O2



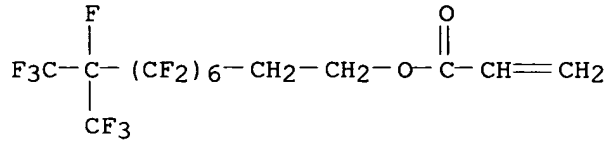
CM 4

CRN 50836-65-2
CMF C12 H7 F15 O2



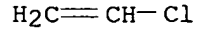
CM 5

CRN 15577-26-1
CMF C14 H7 F19 O2



CM 6

CRN 75-01-4
CMF C2 H3 Cl



L4 ANSWER 46 OF 46 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:87611 CAPLUS
DOCUMENT NUMBER: 82:87611
ORIGINAL REFERENCE NO.: 82:14005a,14008a
TITLE: Oil- and water-resistant composition
INVENTOR(S): Kirimoto, Kazusuke; Hayashi, Takao
PATENT ASSIGNEE(S): Asahi Glass Co., Ltd.
SOURCE: Fr. Demande, 15 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2202144	A1	19740503	FR 1972-36020	19721011
FR 2202144	B1	19760130		

PRIORITY APPLN. INFO.: FR 1972-36020 A 19721011

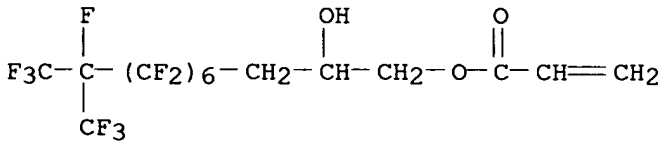
AB Copolymers of 65-80% fluoroalkyl acrylates, 3-25% ClCH2CH2OCH:CH2 or BrCH2CH2OCH:CH2, and optionally other vinyl monomers were prepared and used as soil-, oil- and H2O-resistant finishing agents for cotton, wool, and polyester textiles, without deteriorating the hand of the textile. Thus, 2-chloroethyl vinyl ether-heptadecylfluoroundecyl acrylate-styrene-vinyl chloride polymer [54140-70-4] (15:375:10:100) was prepared for use as a textile finishing agent.

IT 52856-72-1
RL: USES (Uses)
(soilproofing agent, for cotton, polyester and wool)

RN 52856-72-1 CAPLUS
CN 2-Propenoic acid, 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl ester, polymer with chloroethene and (2-chloroethoxy)ethene (9CI) (CA INDEX NAME)

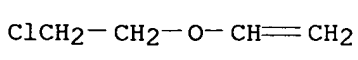
CM 1

CRN 24407-09-8
CMF C15 H9 F19 O3



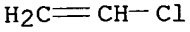
CM 2

CRN 110-75-8
CMF C4 H7 Cl O



CM 3

CRN 75-01-4
CMF C2 H3 Cl



=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	256.66	435.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-36.80	-36.80

STN INTERNATIONAL LOGOFF AT 09:41:46 ON 31 JAN 2008